

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS (FINISH PRODUCT)**

Name of Product	BRIYO H2LYTE LEMON FLAVOUR 8G SALE	AR No.	1110PFG2600039
SAP Lot No.	40000037227	Product Code	400003032
Protocol No.	1110/TDS/400003032-00	Received Date	08/01/2026
Batch No.	BBP25001	Batch Size	62500 NOS
Mfg. Date	12/2025	Sampled Qty.	35 NOS
Best Before/Expiry Date	05/2027	Analysis Completion Date	21/02/2026
Specification No.	1110/SPC/400003032-00	Sampled By & Date	Love Kumar & 08/01/2026
Formula Number/ Classification	N/A	SKU No./ Label Revision Number	N/A
STP No.	1110/STP/400003032-00	Reference	TIC/ARD/FP/SPC/726-00
Sample Login By & Date	Harsh Tomar & 08/01/2026		

S.No.	Test	Specifications	Results	MOA	Lab*
1	Description	Off white to white colored free flowing powder.	White colored free flowing powder.	1110/STP /4000030 32-00	1
2	Sensory evaluation (1 stick in 250 ml of water)	Slightly turbid dispersion with characteristic odor and characteristic lemon flavour.	Slightly turbid dispersion with characteristic odor and characteristic lemon flavour.	1110/STP /4000030 32-00	1
3	Identification				1

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QA)
Name	Mohd Azam	Anand Yadav	Ravi Kant
Designation	SR. EXECUTIVE	SR. MANAGER	ASST. MANAGER
Date	21/02/2026	21/02/2026	21/02/2026

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS (FINISH PRODUCT)**

Name of Product : BRIYO H2LYTE LEMON FLAVOUR 8G SALE

Batch No. : BBP25001

AR No. : 1110PFG2600039

S.No.	Test	Specifications	Results	MOA	Lab*
3. A	Vitamin B3 (Niacinamide)	The retention time of the major peak in the chromatogram of the sample preparation should correspond to that of the standard preparation as obtained in the assay by HPLC.	Complies	1110/STP /4000030 32-00	1
3. B	Potassium (Potassium chloride)	The sample solution counts by ICPMS is corresponds to standard solution counts.	Complies	1110/STP /4000030 32-00	1
3. C	Vitamin B6 (Pyridoxine HCl)	The retention time of the major peak in the chromatogram of the sample preparation should correspond to that of the standard preparation as obtained in the assay by HPLC.	Complies	1110/STP /4000030 32-00	1
4	Average weightof Sachet	8.0 g $\pm$ 5% (7.60 g to 8.40 g)	8.29 g	1110/STP /4000030 32-00	1
5	WaterContent (By KF % w/w)	Not more than 5.0 %	4.8 %	1110/STP /4000030 32-00	1
6	Assay : Each 8.0 g Stick contains	Limits	Results	N/A	1

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QA)
Name	Mohd Azam	Anand Yadav	Ravi Kant
Designation	SR. EXECUTIVE	SR. MANAGER	ASST. MANAGER
Date	21/02/2026	21/02/2026	21/02/2026

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS (FINISH PRODUCT)**

Name of Product : BRIYO H2LYTE LEMON FLAVOUR 8G SALE

Batch No. : BBP25001

AR No. : 1110PFG2600039

S.No.	Test	Specifications	Results	MOA	Lab*
6. A	Vitamin B3 Claim ..... 11mg (Niacinamide)	<b>Release Limit:</b> Not less than 100.00 % of labeled amount i.e., 11.00 mg . <b>Shelf-life Limit:</b> Not less than 90.00 % of labeled amount i.e., 9.90 mg.	12.63mg 114.81%	1110/STP /4000030 32-00	1
6. B	Vitamin B6 (Pyridoxine Hydrochloride) Claim ..... 1.9mg	<b>Release Limit:</b> Not less than 100.0 % of labeled amount i.e., 1.90 mg. <b>Shelf-life Limit:</b> Not less than 90.0 % of labeled amount i.e., 1.71 mg.	2.65mg 139.4%	1110/STP /4000030 32-00	1
6. F	Potassium Claim ..... 350mg (Potassium chloride)	<b>Release Limit:</b> Not less than 95.00 % of labeled amount i.e.332.50 mg <b>Shelf-life Limit:</b> Not less than 90.0 % of labeled amount i.e., 315.00 mg.	359.74mg 102.78%	1110/STP /4000030 32-00	2
6. I	L-Glutamine Claim ..... 80mg	<b>Release limit:</b> Not less than 95.00% of labelled amount i.e 76.00 mg. <b>Shelf life limit:</b> Not less than 90.00% of labelled amount i.e 72.00 mg	82.37mg 102.96%	1110/STP /4000030 32-00	1
6. L	L-Threonine Claim ..... 175mg	<b>Release limit:</b> Not less than 95.00% of labelled amount i.e 166.25 mg <b>Shelf life limit:</b> Not less than 90.00% of labelled amount i.e 157.50 mg	176.94mg 101.10%	1110/STP /4000030 32-00	1

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QA)
Name	Mohd Azam	Anand Yadav	Ravi Kant
Designation	SR. EXECUTIVE	SR. MANAGER	ASST. MANAGER
Date	21/02/2026	21/02/2026	21/02/2026



**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS (FINISH PRODUCT)**

Name of Product : BRIYO H2LYTE LEMON FLAVOUR 8G SALE

Batch No. : BBP25001

AR No. : 1110PFG2600039

S.No.	Test	Specifications	Results	MOA	Lab*
7	Microbiological Test				1
7. A	Total aerobic count	Not more than 10,000 cfu/g	418 cfu/g	1110/STP /4000030 32-00	1
7. B	Total Yeast & Mould Count	Not more than 100 cfu/g	<10 cfu/g	1110/STP /4000030 32-00	1
7. C	Enterobacteriaceae count	Not more than 100 cfu/g	<10 cfu/g	1110/STP /4000030 32-00	1
7. D	Salmonella species	Should be absent/25g	Absent/25g	1110/STP /4000030 32-00	1
7. E	Listeria monocytogenes	Should be absent/25g	Absent/25g	1110/STP /4000030 32-00	1

\* 1 - Test performed In-house

\* 2 - Test performed by Contract Lab

**Conclusion :** The sample complies with respect to specification No: 1110/SPC/400003032-00

**Remark :**

**Note :** Heavy metals, Pesticides, Aflatoxin, and contaminants residue and Melamine performed initial batch and every 6th month basis as per FSSAI regulation by own or external NABL approved laboratory.

**\*\*\*\*\*END of Report\*\*\*\*\***

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QA)
Name	Mohd Azam	Anand Yadav	Ravi Kant
Designation	SR. EXECUTIVE	SR. MANAGER	ASST. MANAGER
Date	21/02/2026	21/02/2026	21/02/2026

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: MICRONIZED L-THREONINE	Material Code	: 110000805
Batch No.	: 20241205	Protocol No.	: 1110/TDS/110000805-00
Manufacturer Name	: WUHAN AMINO ACID BIO-CHEMICAL CO.	Received Qty.	: 25 Kg
Supplier Name	: RAIVAT IMPEX PRIVATE LIMITED	GRN No.	: 5000051158
Received Date	: 14/04/2025	AR No.	: 1110PRM2501412
Manufacturer Date	: 05/12/2024	Exp. Date	: 04/12/2027
Sampled On	: 14/04/2025	Retest Due On	: N/A
Analysis completion date	: 22/04/2025	Sampled Qty.	: 0.080 Kg
Sampled By & Date	: Irshad Ahamad & 14/04/2025	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Irshad Ahamad & 14/04/2025	Pass Qty.	: 24.92 Kg
Specification No.	: 1110/SPC/110000805-00	STP No.	: 1110/STP/110000805-00
GRN Date	: 08/04/2025	Test Result	: PASS
SAP Lot No.	: 10000116133		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	White, odourless crystals having a slightly sweet taste.	White, odourless crystals having a slightly sweet taste.	1110/STP/110000805-00

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Radhe Shyam	Manju Bala	Bharat Singh
Designation	OFFICER	SR. EXECUTIVE	DY. MANAGER
Date	22/04/2025	22/04/2025	22/04/2025

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : MICRONIZED L-THREONINE

Batch No. : 20241205

AR No. : 1110PRM2501412

S.No.	Test	Specifications	Results	Test Method
2	Solubility	Freely soluble in water, insoluble in absolute alcohol in ether and in chloroform.	Freely soluble in water, insoluble in absolute alcohol in ether and in chloroform.	1110/STP/110000805-00
3	Identification(By IR)	Compare the spectrum with the test specimen and the corresponding to USP Reference Standard.	Complies	1110/STP/110000805-00
4	pH	Between 5.0 to 6.5	6.19	1110/STP/110000805-00
5	Specific optical rotation	Between -26.7° to -29.1°	-28.243°	1110/STP/110000805-00
6	Loss on drying	Not more than 0.2 % w/w	0.10 % w/w	1110/STP/110000805-00
7	Residue on Ignition	Not more than 0.40 % w/w	0.20 % w/w	1110/STP/110000805-00
8	Chloride	Not more than 0.05 %	Less than 0.05 %	1110/STP/110000805-00
9	Sulfate	Not more than 0.03 %	Less than 0.03 %	1110/STP/110000805-00
10	Iron	Not more than 30 ppm	Less than 30 ppm	1110/STP/110000805-00
11	Assay(By Titration)	Between 98.5 % to 101.5 % (ODB)	100.1 %	1110/STP/110000805-00

Conclusion : The sample complies with respect to specification No: 1110/SPC/110000805-00

Remark :

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Radhe Shyam	Manju Bala	Bharat Singh
Designation	OFFICER	SR. EXECUTIVE	DY. MANAGER
Date	22/04/2025	22/04/2025	22/04/2025

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: TAURINE	Material Code	: 110001184
Batch No.	: C002-YB2401510	Protocol No.	: 1110/TDS/110001184-00
Manufacturer Name	: HUBEI GRAND LIFE SCIENCE & TECHNOLO	Received Qty.	: 100 Kg
Supplier Name	: NIKEON CORPORATION	GRN No.	: 5000001675
Received Date	: 11/05/2024	AR No.	: 1110PRM2400272
Manufacturer Date	: 24/01/2024	Retest Date	: 23/01/2027
Sampled On	: 11/05/2024	Retest Due On	: N/A
Analysis completion date	: 31/05/2024	Sampled Qty.	: 0.180 Kg
Sampled By & Date	: Amit Panwar & 11/05/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Amit Panwar & 11/05/2024	Pass Qty.	: 99.82 Kg
Specification No.	: 1110/SPC/110001184-00	STP No.	: 1110/STP/110001184-00
GRN Date	: 09/05/2024	Test Result	: PASS
SAP Lot No.	: 10000004853		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	White crystals or crystalline powder	White crystalline powder	1110/STP/110001184-00
2	Identification			1110/STP/110001184-00
2. A	By IR	Compare the spectrum with the test specimen and the corresponding to reference standard.	Complies	1110/STP/110001184-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Sonit Kumar	Manju Bala	Anurag	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	SR. EXECUTIVE	DY. MANAGER
Date	31/05/2024	31/05/2024	31/05/2024	31/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : TAURINE

Batch No. : C002-YB2401510

AR No. : 1110PRM2400272

S.No.	Test	Specifications	Results	Test Method
2. B	BY HPLC	The retention time of the major peak of the sample solution corresponds to that of the standard solution as obtained in the Assay.	Complies	1110/STP/110001184-00
3	Solubility	Soluble in water	Soluble in water	1110/STP/110001184-00
4	Loss on drying	Not more than 0.30% w/w	0.15 %w/w	1110/STP/110001184-00
5	Residue on Ignition	Not more than 0.30% w/w	0.10 %w/w	1110/STP/110001184-00
6	Assay	Between 98.0 % to 102.0 % C <sub>2</sub> H <sub>7</sub> NO <sub>3</sub> S (ODB)	100.15% (oDB)	1110/STP/110001184-00
7	Chloride	Not more than 0.05%	Less than 0.05%	1110/STP/110001184-00
8	Sulphate	Not more than 0.03%	Less than 0.03%	1110/STP/110001184-00
9	Iron	Not more than 30 ppm	Less than 30 ppm	1110/STP/110001184-00
10	Related compounds#	Individual impurities : Not more than 0.5%	Complies ( Refer AR. No TLS/RM0639/24)	1110/STP/110001184-00
11	Microbiological Test			1110/STP/110001184-00
11. A	Total aerobic plate count	Not more than 1000 cfu/g	90 cfu/g	1110/STP/110001184-00
11. B	Total Yeast & mold count	Not more than 100 cfu/g	<10 cfu/g	1110/STP/110001184-00
11. C	E. coli	Should be Absent/g	Absent/g	1110/STP/110001184-00
11. D	Salmonella	Should be Absent/10g	Absent/10g	1110/STP/110001184-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Sonit Kumar	Manju Bala	Anurag	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	SR. EXECUTIVE	DY. MANAGER
Date	31/05/2024	31/05/2024	31/05/2024	31/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : TAURINE

Batch No. : C002-YB2401510

AR No. : 1110PRM2400272

S.No.	Test	Specifications	Results	Test Method
11. E	S. aureus	Should be Absent/g	Absent/g	1110/STP/110001184-00
11. F	P. aeruginosa	Should be Absent/g	Absent/g	1110/STP/110001184-00
11. G	Shigella	Should be Absent/25g	Absent/25g	1110/STP/110001184-00
11. H	Bile-Tolerant Gram-Negative Bacteria	Should be Absent/g	Absent/g	1110/STP/110001184-00
11.	Additional Test			1110/STP/110001184-00
11. A	Bulk Density	To be reported	0.73 g/ml	1110/STP/110001184-00
11. B	Tapped Density	To be reported	0.87 g/ml	1110/STP/110001184-00

**Conclusion :** The sample complies with respect to specification No: 1110/SPC/110001184-00**Note :#** Related compounds test for vendor qiangiang pharmaceutical co. ltd. shall be performed once in a year for each consignment and material other vendor shall be performed for every consignment.

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Sonit Kumar	Manju Bala	Anurag	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	SR. EXECUTIVE	DY. MANAGER
Date	31/05/2024	31/05/2024	31/05/2024	31/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: L-GLUTAMINE	Material Code	: 110000705
Batch No.	: 1240409014	Protocol No.	: 1110/TDS/110000705-00
Manufacturer Name	: TONGLIAO MEIHUA BIOLOGICAL SCI-TECH	Received Qty.	: 100 Kg
Supplier Name	: CHEMKART INDIA PRIVATE LIMITED	GRN No.	: 5000014167
Received Date	: 28/07/2024	AR No.	: 1110PRM2401760
Manufacturer Date	: 09/04/2024	Retest Date	: 08/04/2027
Sampled On	: 28/07/2024	Retest Due On	: N/A
Analysis completion date	: 09/08/2024	Sampled Qty.	: 0.140 Kg
Sampled By & Date	: Amit Panwar & 28/07/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Amit Panwar & 28/07/2024	Pass Qty.	: 99.86 Kg
Specification No.	: 1110/SPC/110000705-00	STP No.	: 1110/STP/110000705-00
GRN Date	: 26/07/2024	Test Result	: PASS
SAP Lot No.	: 10000034283		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	White crystals or crystalline powder	White crystalline powder	1110/STP/110000705-00
2	Identification(By IR)	The IR absorption spectrum of the test specimen exhibits maxima only at the same wavelengths as that of a similar of the corresponding USP reference standard.	Complies	1110/STP/110000705-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Jaswinder Singh Saini	Manju Bala	N/A	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	N/A	DY. MANAGER
Date	09/08/2024	09/08/2024	N/A	09/08/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : L-GLUTAMINE

Batch No. : 1240409014

AR No. : 1110PRM2401760

S.No.	Test	Specifications	Results	Test Method
3	Solubility	Soluble in water, practically insoluble in alcohol and in ether	Soluble in water, practically insoluble in alcohol and in ether	1110/STP/110000705-00
4	Specific optical rotation	Between +6.3° to +7.3°	6.629°	1110/STP/110000705-00
5	Loss on drying	Not more than 0.30 % w/w	0.10 %w/w	1110/STP/110000705-00
6	Residue on Ignition	Not more than 0.30 % w/w	0.21 %w/w	1110/STP/110000705-00
7	Chloride	Not more than 0.05 %	Less than 0.05 %	1110/STP/110000705-00
8	Sulfate	Not more than 0.03 %	Less than 0.03 %	1110/STP/110000705-00
9	Iron	NMT 30 ppm	Less than 30 ppm	1110/STP/110000705-00
10	Related Compound (By TLC)	Not more than 0.5 %	Complies	1110/STP/110000705-00
11	Assay (By Potentiometrically)	Between 98.5 % to 101.5 % (ODB)	99.99 % (ODB)	1110/STP/110000705-00
12	Additional Test			1110/STP/110000705-00
12. A	Bulk density	To be reported	0.46g/ml	1110/STP/110000705-00
12. B	Tapped density	To be reported	0.67g/ml	1110/STP/110000705-00

Conclusion : The sample complies with respect to specification No: 1110/SPC/110000705-00

Remark :

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Jaswinder Singh Saini	Manju Bala	N/A	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	N/A	DY. MANAGER
Date	09/08/2024	09/08/2024	N/A	09/08/2024

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: CITRULLINE MALATE	Material Code	: 110001738
Batch No.	: 240907	Protocol No.	: 1110/TDS/110001738-00
Manufacturer Name	: WUHAN AMINO ACID BIO-CHEMICAL CO.	Received Qty.	: 50 Kg
Supplier Name	: RAIVAT IMPEX PRIVATE LIMITED	GRN No.	: 5000043764
Received Date	: 17/02/2025	AR No.	: 1110PRM2500671
Manufacturer Date	: 07/09/2024	Exp. Date	: 06/09/2027
Sampled On	: 17/02/2025	Retest Due On	: N/A
Analysis completion date	: 22/02/2025	Sampled Qty.	: 0.030 Kg
Sampled By & Date	: Irshad Ahamad & 17/02/2025	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Irshad Ahamad & 17/02/2025	Pass Qty.	: 49.97 Kg
Specification No.	: 1110/SPC/110001738-00	STP No.	: 1110/STP/110001738-00
GRN Date	: 14/02/2025	Test Result	: PASS
SAP Lot No.	: 10000100945		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	White crystal or crystalline powder.	White crystalline powder.	1110/STP/110001738-00
2	Solubility	Freely soluble in formic acid and in water, very slightly soluble in ethanol, practically insoluble in ether.	Freely soluble in formic acid and in water, very slightly soluble in ethanol, practically insoluble in ether.	1110/STP/110001738-00

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Vaseem Iqbal	Krishna deo singh	Jagmohan singh Rana
Designation	SR. OFFICER	EXECUTIVE	MANAGER (QC)
Date	22/02/2025	22/02/2025	22/02/2025

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : CITRULLINE MALATE

Batch No. : 240907

AR No. : 1110PRM2500671

S.No.	Test	Specifications	Results	Test Method
3	Specific optical rotation	Between + 17.0° to + 19.0°	17.8 °(ODB)	1110/STP/110001738-00
4	Loss on drying	Not more than 2.00% w/w	1.75 %w/w	1110/STP/110001738-00
5	Residue on Ignition	Not more than 0.50% w/w	0.10 %w/w	1110/STP/110001738-00

Conclusion : The sample complies with respect to specification No: 1110/SPC/110001738-00

Remark :

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Vaseem Iqbal	Krishna deo singh	Jagmohan singh Rana
Designation	SR. OFFICER	EXECUTIVE	MANAGER (QC)
Date	22/02/2025	22/02/2025	22/02/2025

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: MICRONIZED L-THREONINE	Material Code	: 110000805
Batch No.	: 20241205	Protocol No.	: 1110/TDS/110000805-00
Manufacturer Name	: WUHAN AMINO ACID BIO-CHEMICAL CO.	Received Qty.	: 25 Kg
Supplier Name	: RAIVAT IMPEX PRIVATE LIMITED	GRN No.	: 5000051158
Received Date	: 14/04/2025	AR No.	: 1110PRM2501412
Manufacturer Date	: 05/12/2024	Exp. Date	: 04/12/2027
Sampled On	: 14/04/2025	Retest Due On	: N/A
Analysis completion date	: 22/04/2025	Sampled Qty.	: 0.080 Kg
Sampled By & Date	: Irshad Ahamad & 14/04/2025	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Irshad Ahamad & 14/04/2025	Pass Qty.	: 24.92 Kg
Specification No.	: 1110/SPC/110000805-00	STP No.	: 1110/STP/110000805-00
GRN Date	: 08/04/2025	Test Result	: PASS
SAP Lot No.	: 10000116133		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	White, odourless crystals having a slightly sweet taste.	White, odourless crystals having a slightly sweet taste.	1110/STP/110000805-00

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Radhe Shyam	Manju Bala	Bharat Singh
Designation	OFFICER	SR. EXECUTIVE	DY. MANAGER
Date	22/04/2025	22/04/2025	22/04/2025

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : MICRONIZED L-THREONINE

Batch No. : 20241205

AR No. : 1110PRM2501412

S.No.	Test	Specifications	Results	Test Method
2	Solubility	Freely soluble in water, insoluble in absolute alcohol in ether and in chloroform.	Freely soluble in water, insoluble in absolute alcohol in ether and in chloroform.	1110/STP/110000805-00
3	Identification(By IR)	Compare the spectrum with the test specimen and the corresponding to USP Reference Standard.	Complies	1110/STP/110000805-00
4	pH	Between 5.0 to 6.5	6.19	1110/STP/110000805-00
5	Specific optical rotation	Between -26.7° to -29.1°	-28.243°	1110/STP/110000805-00
6	Loss on drying	Not more than 0.2 % w/w	0.10 % w/w	1110/STP/110000805-00
7	Residue on Ignition	Not more than 0.40 % w/w	0.20 % w/w	1110/STP/110000805-00
8	Chloride	Not more than 0.05 %	Less than 0.05 %	1110/STP/110000805-00
9	Sulfate	Not more than 0.03 %	Less than 0.03 %	1110/STP/110000805-00
10	Iron	Not more than 30 ppm	Less than 30 ppm	1110/STP/110000805-00
11	Assay(By Titration)	Between 98.5 % to 101.5 % (ODB)	100.1 %	1110/STP/110000805-00

Conclusion : The sample complies with respect to specification No: 1110/SPC/110000805-00

Remark :

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Radhe Shyam	Manju Bala	Bharat Singh
Designation	OFFICER	SR. EXECUTIVE	DY. MANAGER
Date	22/04/2025	22/04/2025	22/04/2025

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: TAURINE	Material Code	: 110001184
Batch No.	: C002-YB2401510	Protocol No.	: 1110/TDS/110001184-00
Manufacturer Name	: HUBEI GRAND LIFE SCIENCE & TECHNOLO	Received Qty.	: 100 Kg
Supplier Name	: NIKEON CORPORATION	GRN No.	: 5000001675
Received Date	: 11/05/2024	AR No.	: 1110PRM2400272
Manufacturer Date	: 24/01/2024	Retest Date	: 23/01/2027
Sampled On	: 11/05/2024	Retest Due On	: N/A
Analysis completion date	: 31/05/2024	Sampled Qty.	: 0.180 Kg
Sampled By & Date	: Amit Panwar & 11/05/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Amit Panwar & 11/05/2024	Pass Qty.	: 99.82 Kg
Specification No.	: 1110/SPC/110001184-00	STP No.	: 1110/STP/110001184-00
GRN Date	: 09/05/2024	Test Result	: PASS
SAP Lot No.	: 10000004853		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	White crystals or crystalline powder	White crystalline powder	1110/STP/110001184-00
2	Identification			1110/STP/110001184-00
2. A	By IR	Compare the spectrum with the test specimen and the corresponding to reference standard.	Complies	1110/STP/110001184-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Sonit Kumar	Manju Bala	Anurag	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	SR. EXECUTIVE	DY. MANAGER
Date	31/05/2024	31/05/2024	31/05/2024	31/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : TAURINE

Batch No. : C002-YB2401510

AR No. : 1110PRM2400272

S.No.	Test	Specifications	Results	Test Method
2. B	BY HPLC	The retention time of the major peak of the sample solution corresponds to that of the standard solution as obtained in the Assay.	Complies	1110/STP/110001184-00
3	Solubility	Soluble in water	Soluble in water	1110/STP/110001184-00
4	Loss on drying	Not more than 0.30% w/w	0.15 %w/w	1110/STP/110001184-00
5	Residue on Ignition	Not more than 0.30% w/w	0.10 %w/w	1110/STP/110001184-00
6	Assay	Between 98.0 % to 102.0 % C <sub>2</sub> H <sub>7</sub> NO <sub>3</sub> S (ODB)	100.15% (oDB)	1110/STP/110001184-00
7	Chloride	Not more than 0.05%	Less than 0.05%	1110/STP/110001184-00
8	Sulphate	Not more than 0.03%	Less than 0.03%	1110/STP/110001184-00
9	Iron	Not more than 30 ppm	Less than 30 ppm	1110/STP/110001184-00
10	Related compounds#	Individual impurities : Not more than 0.5%	Complies ( Refer AR. No TLS/RM0639/24)	1110/STP/110001184-00
11	Microbiological Test			1110/STP/110001184-00
11. A	Total aerobic plate count	Not more than 1000 cfu/g	90 cfu/g	1110/STP/110001184-00
11. B	Total Yeast & mold count	Not more than 100 cfu/g	<10 cfu/g	1110/STP/110001184-00
11. C	E. coli	Should be Absent/g	Absent/g	1110/STP/110001184-00
11. D	Salmonella	Should be Absent/10g	Absent/10g	1110/STP/110001184-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Sonit Kumar	Manju Bala	Anurag	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	SR. EXECUTIVE	DY. MANAGER
Date	31/05/2024	31/05/2024	31/05/2024	31/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : TAURINE

Batch No. : C002-YB2401510

AR No. : 1110PRM2400272

S.No.	Test	Specifications	Results	Test Method
11. E	S. aureus	Should be Absent/g	Absent/g	1110/STP/110001184-00
11. F	P. aeruginosa	Should be Absent/g	Absent/g	1110/STP/110001184-00
11. G	Shigella	Should be Absent/25g	Absent/25g	1110/STP/110001184-00
11. H	Bile-Tolerant Gram-Negative Bacteria	Should be Absent/g	Absent/g	1110/STP/110001184-00
11.	Additional Test			1110/STP/110001184-00
11. A	Bulk Density	To be reported	0.73 g/ml	1110/STP/110001184-00
11. B	Tapped Density	To be reported	0.87 g/ml	1110/STP/110001184-00

**Conclusion :** The sample complies with respect to specification No: 1110/SPC/110001184-00**Note :#** Related compounds test for vendor qiangiang pharmaceutical co. ltd. shall be performed once in a year for each consignment and material other vendor shall be performed for every consignment.

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Sonit Kumar	Manju Bala	Anurag	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	SR. EXECUTIVE	DY. MANAGER
Date	31/05/2024	31/05/2024	31/05/2024	31/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: L-GLUTAMINE	Material Code	: 110000705
Batch No.	: 1240409014	Protocol No.	: 1110/TDS/110000705-00
Manufacturer Name	: TONGLIAO MEIHUA BIOLOGICAL SCI-TECH	Received Qty.	: 100 Kg
Supplier Name	: CHEMKART INDIA PRIVATE LIMITED	GRN No.	: 5000014167
Received Date	: 28/07/2024	AR No.	: 1110PRM2401760
Manufacturer Date	: 09/04/2024	Retest Date	: 08/04/2027
Sampled On	: 28/07/2024	Retest Due On	: N/A
Analysis completion date	: 09/08/2024	Sampled Qty.	: 0.140 Kg
Sampled By & Date	: Amit Panwar & 28/07/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Amit Panwar & 28/07/2024	Pass Qty.	: 99.86 Kg
Specification No.	: 1110/SPC/110000705-00	STP No.	: 1110/STP/110000705-00
GRN Date	: 26/07/2024	Test Result	: PASS
SAP Lot No.	: 10000034283		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	White crystals or crystalline powder	White crystalline powder	1110/STP/110000705-00
2	Identification(By IR)	The IR absorption spectrum of the test specimen exhibits maxima only at the same wavelengths as that of a similar of the corresponding USP reference standard.	Complies	1110/STP/110000705-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Jaswinder Singh Saini	Manju Bala	N/A	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	N/A	DY. MANAGER
Date	09/08/2024	09/08/2024	N/A	09/08/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : L-GLUTAMINE

Batch No. : 1240409014

AR No. : 1110PRM2401760

S.No.	Test	Specifications	Results	Test Method
3	Solubility	Soluble in water, practically insoluble in alcohol and in ether	Soluble in water, practically insoluble in alcohol and in ether	1110/STP/110000705-00
4	Specific optical rotation	Between +6.3° to +7.3°	6.629°	1110/STP/110000705-00
5	Loss on drying	Not more than 0.30 % w/w	0.10 %w/w	1110/STP/110000705-00
6	Residue on Ignition	Not more than 0.30 % w/w	0.21 %w/w	1110/STP/110000705-00
7	Chloride	Not more than 0.05 %	Less than 0.05 %	1110/STP/110000705-00
8	Sulfate	Not more than 0.03 %	Less than 0.03 %	1110/STP/110000705-00
9	Iron	NMT 30 ppm	Less than 30 ppm	1110/STP/110000705-00
10	Related Compound (By TLC)	Not more than 0.5 %	Complies	1110/STP/110000705-00
11	Assay (By Potentiometrically)	Between 98.5 % to 101.5 % (ODB)	99.99 % (ODB)	1110/STP/110000705-00
12	Additional Test			1110/STP/110000705-00
12. A	Bulk density	To be reported	0.46g/ml	1110/STP/110000705-00
12. B	Tapped density	To be reported	0.67g/ml	1110/STP/110000705-00

Conclusion : The sample complies with respect to specification No: 1110/SPC/110000705-00

Remark :

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Jaswinder Singh Saini	Manju Bala	N/A	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	N/A	DY. MANAGER
Date	09/08/2024	09/08/2024	N/A	09/08/2024

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: CITRULLINE MALATE	Material Code	: 110001738
Batch No.	: 240907	Protocol No.	: 1110/TDS/110001738-00
Manufacturer Name	: WUHAN AMINO ACID BIO-CHEMICAL CO.	Received Qty.	: 50 Kg
Supplier Name	: RAIVAT IMPEX PRIVATE LIMITED	GRN No.	: 5000043764
Received Date	: 17/02/2025	AR No.	: 1110PRM2500671
Manufacturer Date	: 07/09/2024	Exp. Date	: 06/09/2027
Sampled On	: 17/02/2025	Retest Due On	: N/A
Analysis completion date	: 22/02/2025	Sampled Qty.	: 0.030 Kg
Sampled By & Date	: Irshad Ahamad & 17/02/2025	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Irshad Ahamad & 17/02/2025	Pass Qty.	: 49.97 Kg
Specification No.	: 1110/SPC/110001738-00	STP No.	: 1110/STP/110001738-00
GRN Date	: 14/02/2025	Test Result	: PASS
SAP Lot No.	: 10000100945		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	White crystal or crystalline powder.	White crystalline powder.	1110/STP/110001738-00
2	Solubility	Freely soluble in formic acid and in water, very slightly soluble in ethanol, practically insoluble in ether.	Freely soluble in formic acid and in water, very slightly soluble in ethanol, practically insoluble in ether.	1110/STP/110001738-00

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Vaseem Iqbal	Krishna deo singh	Jagmohan singh Rana
Designation	SR. OFFICER	EXECUTIVE	MANAGER (QC)
Date	22/02/2025	22/02/2025	22/02/2025

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : CITRULLINE MALATE

Batch No. : 240907

AR No. : 1110PRM2500671

S.No.	Test	Specifications	Results	Test Method
3	Specific optical rotation	Between + 17.0° to + 19.0°	17.8 °(ODB)	1110/STP/110001738-00
4	Loss on drying	Not more than 2.00% w/w	1.75 %w/w	1110/STP/110001738-00
5	Residue on Ignition	Not more than 0.50% w/w	0.10 %w/w	1110/STP/110001738-00

Conclusion : The sample complies with respect to specification No: 1110/SPC/110001738-00

Remark :

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Vaseem Iqbal	Krishna deo singh	Jagmohan singh Rana
Designation	SR. OFFICER	EXECUTIVE	MANAGER (QC)
Date	22/02/2025	22/02/2025	22/02/2025

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: VITAMIN C PLAIN (ASCORBIC ACID) NUTRA	Material Code	: 110001322
Batch No.	: AA/24/0280	Protocol No.	: 1110/TDS/110001322-00
Manufacturer Name	: RECKON ORGANICS PVT. LTD.	Received Qty.	: 500 Kg
Supplier Name	: RECKON ORGANICS PVT LTD	GRN No.	: 5000003183
Received Date	: 22/05/2024	AR No.	: 1110PRM2400477
Manufacturer Date	: 01/04/2024	Retest Date	: 31/03/2028
Sampled On	: 22/05/2024	Retest Due On	: 04/06/2025
Analysis completion date	: 04/06/2024	Sampled Qty.	: 0.100 Kg
Sampled By & Date	: Vinay Kumar & 22/05/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Vinay Kumar & 22/05/2024	Pass Qty.	: 499.9 Kg
Specification No.	: 1110/SPC/110001322-00	STP No.	: 1110/STP/110001322-00
GRN Date	: 20/05/2024	Test Result	: PASS
SAP Lot No.	: 10000008189		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	A white to almost white, crystalline powder or colorless crystals. becoming discoloured on exposure to air and moisture.	A white, crystalline powder. becoming discoloured on exposure to air and moisture.	1110/STP/110001322-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Sonit Kumar	Manju Bala	N/A	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	N/A	DY. MANAGER
Date	04/06/2024	04/06/2024	N/A	04/06/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : VITAMIN C PLAIN (ASCORBIC ACID) NUTRA

Batch No. : AA/24/0280

AR No. : 1110PRM2400477

S.No.	Test	Specifications	Results	Test Method
2	Solubility	Freely soluble in water, sparingly soluble in ethanol 95%, Insoluble in ether and in benzene.	Freely soluble in water, sparingly soluble in ethanol 95%, Insoluble in ether and in benzene.	1110/STP/110001322-00
3	Identification	Test A may be omitted if test B, C and D are carried out. Tests C and D may be omitted if tests A and B are carried out.		1110/STP/110001322-00
3. A	By IR	The infra- red absorption spectrum of sample preparation should be concordant with infrared absorption spectrum with that obtained with ascorbic acid IPRS/WS or with the the reference spectrum of ascorbic acid.	Complies	1110/STP/110001322-00
3. B	By Chemically	The solution is decolourised	The solution is decolourised .	1110/STP/110001322-00
3. C	By Chemically	The yellow colour turns blue.	Omitted	1110/STP/110001322-00
3. D	By Chemically	The colour disappears	Omitted	1110/STP/110001322-00
4	Appearance of Solution	A 5.0%w/v solution in water is clear and not more intensely coloured than reference solution BYS7.	Complies .	1110/STP/110001322-00
5	pH	Between 2.20 to 2.50	2.40	1110/STP/110001322-00
6	Specific optical rotation	Between + 20.50° to + 21.50°	+ 21.032°	1110/STP/110001322-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Sonit Kumar	Manju Bala	N/A	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	N/A	DY. MANAGER
Date	04/06/2024	04/06/2024	N/A	04/06/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : VITAMIN C PLAIN (ASCORBIC ACID) NUTRA

Batch No. : AA/24/0280

AR No. : 1110PRM2400477

S.No.	Test	Specifications	Results	Test Method
7	Light absorption	A 0.001 % w/v solution in 0.01M Hydrochloric acid shows absorption about 0.56 at the maxima at about 244 nm.	At 244nm -> 0.565 Abs.	1110/STP/110001322-00
8	Oxalic acid	Not more than 0.30%	Less than 0.30%	1110/STP/110001322-00
9	Heavy metals	Not more than 20 ppm	Less than 20 ppm	1110/STP/110001322-00
10	Sulphated ash	Not More than 0.10 % w/w	0.05 %w/w	1110/STP/110001322-00
11	Assay	Between 99.00% to 100.50 % w/w (as such basis)	99.39 % w/w	1110/STP/110001322-00

**Conclusion :** The sample complies with respect to specification No: 1110/SPC/110001322-00

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Sonit Kumar	Manju Bala	N/A	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	N/A	DY. MANAGER
Date	04/06/2024	04/06/2024	N/A	04/06/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: DEXTROSE ANHYDROUS IP(NUTRA)	Material Code	: 110000350
Batch No.	: 115	Protocol No.	: 1110/TDS/110000350-00
Manufacturer Name	: SUKHJIT CORN PRODUCTS	Received Qty.	: 500 Kg
Supplier Name	: TANISH ENTERPRISES.	GRN No.	: 5000004224
Received Date	: 28/05/2024	AR No.	: 1110PRM2400624
Manufacturer Date	: 04/05/2024	Retest Date	: 03/05/2029
Sampled On	: 31/05/2024	Retest Due On	: N/A
Analysis completion date	: 08/06/2024	Sampled Qty.	: 0.320 Kg
Sampled By & Date	: Manju Bala & 31/05/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Vinay Kumar & 28/05/2024	Pass Qty.	: 499.68 Kg
Specification No.	: 1110/SPC/110000350-00	STP No.	: 1110/STP/110000350-00
GRN Date	: 26/05/2024	Test Result	: PASS
SAP Lot No.	: 10000010546		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description#	A white crystalline powder.	A white crystalline powder.	1110/STP/110000350-00
2	Solubility	Freely soluble in water, sparingly soluble in ethanol (95%).	Freely soluble in water, sparingly soluble in ethanol (95%).	1110/STP/110000350-00
3	Sensory evaluation	It should be clear and free from any dust and foreign particles.	Complies	1110/STP/110000350-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Manju Bala	N/A	Phool Keshar
Designation	EXECUTIVE	SR. EXECUTIVE	N/A	DY. MANAGER
Date	08/06/2024	08/06/2024	N/A	08/06/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : DEXTROSE ANHYDROUS IP(NUTRA)

Batch No. : 115

AR No. : 1110PRM2400624

S.No.	Test	Specifications	Results	Test Method
4	Identification			1110/STP/11 0000350-00
4. A	By Chemically	When heated, it melts, swells up and burns and an odour of burnt sugar is perceptible.	Complies	1110/STP/11 0000350-00
4. B	By Chemically	Heat to boiling; A copious red precipitate should be formed.	A copious red precipitate is formed.	1110/STP/11 0000350-00
5	Appearance and odour of solution	The solution should be clear, not more intensely coloured than reference solution BYS7, and should be odourless.	Complies	1110/STP/11 0000350-00
6	Acidity or Alkalinity	The solution is colourless and not more than 0.15 ml of 0.1 M sodium hydroxide is required to change the colour of the solution to pink.	The solution is colourless and 0.10 ml of 0.1 M sodium hydroxide is required to change the colour of the solution to pink.	1110/STP/11 0000350-00
7	Specific optical rotation#	Between + 52.50° to + 53.30°	+ 52.977°	1110/STP/11 0000350-00
8	Arsenic	Not more than 1 ppm	Less than 1 ppm	1110/STP/11 0000350-00
9	Heavy metals	Not more than 5 ppm	Less than 5 ppm	1110/STP/11 0000350-00
10	Chlorides	Not more than 125 ppm	Less than 125 ppm	1110/STP/11 0000350-00
11	Sulphates	Not more than 200 ppm	Less than 200 ppm	1110/STP/11 0000350-00
12	Sulphite	Absorbance of sample solution should not be more than the absorbance of standard solution.	Complies	1110/STP/11 0000350-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Manju Bala	N/A	Phool Keshar
Designation	EXECUTIVE	SR. EXECUTIVE	N/A	DY. MANAGER
Date	08/06/2024	08/06/2024	N/A	08/06/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : DEXTROSE ANHYDROUS IP(NUTRA)

Batch No. : 115

AR No. : 1110PRM2400624

S.No.	Test	Specifications	Results	Test Method
13	Barium	Any opalescence in the solution should not more intense than that in a mixture of 10 ml of solution A and 1 ml of water.	Complies	1110/STP/110000350-00
14	Foreign sugars, soluble starch and dextrin's	The appearance of solution does not change on cooling.	The appearance of solution did not change on cooling.	1110/STP/110000350-00
15	Sulphated ash	Not more than 0.10 % w/w	0.05 %w/w	1110/STP/110000350-00
16	Water Determination#			1110/STP/110000350-00
16. A	Anhydrous form	Not more than 1.00 % w/w	0.08 % w/w	1110/STP/110000350-00
16. B	Monohydrate form	Between 7.00 % to 9.50%	NA	1110/STP/110000350-00
17	Additional Test			1110/STP/110000350-00
17. A	Bulk Density	To be reported	0.77 g/ml	1110/STP/110000350-00
17. B	Tapped Density	To be reported	0.91 g/ml	1110/STP/110000350-00

**Conclusion :** The sample complies with respect to specification No: 1110/SPC/110000350-00**Note :#** Test Parameter should be performed in sequence of 1st Description then water and after that SOR test.

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Manju Bala	N/A	Phool Keshar
Designation	EXECUTIVE	SR. EXECUTIVE	N/A	DY. MANAGER
Date	08/06/2024	08/06/2024	N/A	08/06/2024

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: MALTO DEXTRIN POWDER	Material Code	: 120000642
Batch No.	: 3A007524	Protocol No.	: 1110/TDS/120000642-00
Manufacturer Name	: ROQUETTE RIDDHI SIDDHI PVT LTD	Received Qty.	: 5000 Kg
Supplier Name	: TANISH ENTERPRISES.	GRN No.	: 5000000937
Received Date	: 05/05/2024	AR No.	: 1110PRM2400227
Manufacturer Date	: 16/03/2024	Retest Date	: 15/03/2029
Sampled On	: 06/05/2024	Retest Due On	: N/A
Analysis completion date	: 13/05/2024	Sampled Qty.	: 0.320 Kg
Sampled By & Date	: Manju Bala & 06/05/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Amit Panwar & 05/05/2024	Pass Qty.	: 4999.68 Kg
Specification No.	: 1110/SPC/120000642-00	STP No.	: 1110/STP/120000642-00
GRN Date	: 03/05/2024	Test Result	: PASS
SAP Lot No.	: 10000003428		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	A white or almost white, slightly hygroscopic powder or granules.	A white slightly hygroscopic powder	1110/STP/120000642-00
2	Solubility	Freely soluble in water.	Freely soluble in water.	1110/STP/120000642-00
3	Identification			1110/STP/120000642-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Vaseem Iqbal	Manju Bala	Anurag	Phool Keshar
Designation	SR. OFFICER	SR. EXECUTIVE	SR. EXECUTIVE	DY. MANAGER
Date	13/05/2024	13/05/2024	13/05/2024	13/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : MALTO DEXTRIN POWDER

Batch No. : 3A007524

AR No. : 1110PRM2400227

S.No.	Test	Specifications	Results	Test Method
3. A	By chemically	A red precipitate is produced.	A red precipitate is produced.	1110/STP/12 0000642-00
3. B	By chemically #	Complies by dextrose equivalent test	Complies	1110/STP/12 0000642-00
4	pH	Between 4.00 to 7.00	5.77	1110/STP/12 0000642-00
5	Sulphur dioxide#	Not more than 20 ppm	3.19 ppm	1110/STP/12 0000642-00
6	Heavy metals (Method B) #	Not more than 10 ppm	Less than 10 ppm	1110/STP/12 0000642-00
7	Sulphated ash	Not more than 0.50 %	0.18 %w/w	1110/STP/12 0000642-00
8	Loss on drying	Not more than 6.00 % w/w	3.19 %w/w	1110/STP/12 0000642-00
9	Dextrose equivalent#	Not more than 20	19.05	1110/STP/12 0000642-00
10	Microbiological Test			1110/STP/12 0000642-00
10. A	Total aerobic viable count	Not more than 1000 cfu/g	200 cfu/g	1110/STP/12 0000642-00
10. B	Total fungal count	Not more than 100 cfu/g	<10 cfu/g	1110/STP/12 0000642-00
10. C	E. Coli	Should be absent/g	Absent/g	1110/STP/12 0000642-00
10. D	Salmonella	Should be absent/10g	Absent/10g	1110/STP/12 0000642-00
10. E	Shigella	Should be absent/10g	Absent/10g	1110/STP/12 0000642-00

**Conclusion :** The sample complies with respect to specification No: 1110/SPC/120000642-00**Note :#** To be reported from vendor's COA and tested annually once for each vendor

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Vaseem Iqbal	Manju Bala	Anurag	Phool Keshar
Designation	SR. OFFICER	SR. EXECUTIVE	SR. EXECUTIVE	DY. MANAGER
Date	13/05/2024	13/05/2024	13/05/2024	13/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : MALTO DEXTRIN POWDER

Batch No. : 3A007524

AR No. : 1110PRM2400227

S.No.	Test	Specifications	Results	Test Method
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\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Vaseem Iqbal	Manju Bala	Anurag	Phool Keshar
Designation	SR. OFFICER	SR. EXECUTIVE	SR. EXECUTIVE	DY. MANAGER
Date	13/05/2024	13/05/2024	13/05/2024	13/05/2024

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: CALCIUM PANTOTHENATE IP_(NUTRA)	Material Code	: 110000199
Batch No.	: 01373697V0	Protocol No.	: 1110/TDS/110000199-00
Manufacturer Name	: BASF SE	Received Qty.	: 25 Kg
Supplier Name	: NANDLAL BANKATLAL PRIVATE LIMITED	GRN No.	: 5000027992
Received Date	: 28/10/2024	AR No.	: 1110PRM2403041
Manufacturer Date	: 04/04/2024	Retest Date	: 04/04/2027
Sampled On	: 28/10/2024	Retest Due On	: N/A
Analysis completion date	: 12/11/2024	Sampled Qty.	: 0.100 Kg
Sampled By & Date	: Amit Panwar & 28/10/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Amit Panwar & 28/10/2024	Pass Qty.	: 24.9 Kg
Specification No.	: 1110/SPC/110000199-00	STP No.	: 1110/STP/110000199-00
GRN Date	: 28/10/2024	Test Result	: PASS
SAP Lot No.	: 10000064752		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	A white powder; slightly hygroscopic.	A white powder; slightly hygroscopic.	1110/STP/110000199-00

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Vaseem Iqbal	Krishna deo singh	Phool Keshar
Designation	SR. OFFICER	EXECUTIVE	DY. MANAGER
Date	12/11/2024	12/11/2024	12/11/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : CALCIUM PANTOTHENATE IP\_(NUTRA)

Batch No. : 01373697V0

AR No. : 1110PRM2403041

S.No.	Test	Specifications	Results	Test Method
2	Solubility	Freely soluble in water; soluble in glycerin; slightly soluble in ethanol (95 %); practically insoluble in ether.	Freely soluble in water; soluble in glycerin; slightly soluble in ethanol (95 %); practically insoluble in ether.	1110/STP/110000199-00
3	Identification			1110/STP/110000199-00
3. A	By IR	The infrared absorption spectrum of sample should be concordant with the spectrum obtained from reference standard of calcium pantothenate.	complies	1110/STP/110000199-00
3. B	By Specific optical rotation	Between +25.0° to +27.5°	+27.356°	1110/STP/110000199-00
3. C	By chemically (Reaction A of calcium salts)	A white, crystalline precipitate is formed.	A white, crystalline precipitate is formed.	1110/STP/110000199-00
4	Appearance of Solution#	Solution is clear and colorless.	Solution is clear and colorless.	1110/STP/110000199-00
5	pH	Between 6.80 to 8.00	7.20	1110/STP/110000199-00
6	Specific optical rotation	Between + 25.00° to + 27.50°	27.36 °	1110/STP/110000199-00
7	β-ALANINE#	Any spot corresponding to β-alanine in the chromatogram obtained with test solution (a) is not more intense than the spot in the chromatogram obtained with reference solution (b).(0.50 %)	0.20	1110/STP/110000199-00

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Vaseem Iqbal	Krishna deo singh	Phool Keshar
Designation	SR. OFFICER	EXECUTIVE	DY. MANAGER
Date	12/11/2024	12/11/2024	12/11/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : CALCIUM PANTOTHENATE IP\_(NUTRA)

Batch No. : 01373697V0

AR No. : 1110PRM2403041

S.No.	Test	Specifications	Results	Test Method
8	Heavy metals Method A#	Not more than 20 ppm	complies	1110/STP/11 0000199-00
9	Loss on drying	Not more than 3.00 % w/w	2.69 %w/w	1110/STP/11 0000199-00
10	Assay	Between 98.00 % to 101.00 % w/w (ODB)	100.30 % (ODB)	1110/STP/11 0000199-00

Conclusion : The sample complies with respect to specification No: 1110/SPC/110000199-00

Remark :

Note :# To be reported from vendor's COA and tested annually once for each vendor

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Vaseem Iqbal	Krishna deo singh	Phool Keshar
Designation	SR. OFFICER	EXECUTIVE	DY. MANAGER
Date	12/11/2024	12/11/2024	12/11/2024

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: NIACINAMIDE -IP	Material Code	: 110000861
Batch No.	: 25/NMD[C]/00048	Protocol No.	: 1110/TDS/110000861-00
Manufacturer Name	: WESTERN DRUGS LTD.	Received Qty.	: 100 Kg
Supplier Name	: WESTERN DRUGS LTD.	GRN No.	: 5000012653
Received Date	: 17/07/2024	AR No.	: 1110PRM2401519
Manufacturer Date	: 01/05/2024	Retest Date	: 30/04/2029
Sampled On	: 17/07/2024	Retest Due On	: N/A
Analysis completion date	: 22/07/2024	Sampled Qty.	: 0.050 Kg
Sampled By & Date	: Amit Panwar & 17/07/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Amit Panwar & 17/07/2024	Pass Qty.	: 99.95 Kg
Specification No.	: 1110/SPC/110000861-00	STP No.	: 1110/STP/110000861-00
GRN Date	: 16/07/2024	Test Result	: PASS
SAP Lot No.	: 10000030853		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	Colourless crystals or a white, crystalline powder.	Colourless crystalline powder.	1110/STP/110000861-00
2	Solubility	Freely soluble in water and in ethanol (95%), slightly soluble in chloroform and in ether	Freely soluble in water and in ethanol (95%), slightly soluble in chloroform and in ether	1110/STP/110000861-00
3	Identification	Test A may be omitted if tests B and C are carried out. Tests B and C may be omitted if A test is carried out.		1110/STP/110000861-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Krishna deo singh	N/A	Phool Keshar
Designation	EXECUTIVE	EXECUTIVE	N/A	DY. MANAGER
Date	22/07/2024	22/07/2024	N/A	22/07/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : NIACINAMIDE -IP

Batch No. : 25/NMD[C]/00048

AR No. : 1110PRM2401519

S.No.	Test	Specifications	Results	Test Method
3. A	By IR	The infra-red absorption spectrum of Nicotinamide should be concordant with the spectrum obtained from Nicotinamide IPRS	Complies	1110/STP/110000861-00
3. B	By chemically	Pyridine should be evolved	Omitted	1110/STP/110000861-00
3. C	By chemically	Ammonia should be evolved	Omitted	1110/STP/110000861-00
4	Assay	Between 99.00 % to 101.00 % w/w (ODB)	99.67 %w/w (odb)	1110/STP/110000861-00
5	Appearance of Solution#	A 5.0% w/v solution in carbon dioxide-free water should be clear and not more intensely coloured than reference solution BYS7	Complies	1110/STP/110000861-00
6	pH	Between 6.00 to 7.50	7.18	1110/STP/110000861-00
7	Heavy metals Method A#	Not more than 30 ppm	Less than 30 ppm	1110/STP/110000861-00
8	Chloride#	Not more than 250 ppm	Less than 250 ppm	1110/STP/110000861-00
9	Sulphates#	Not more than 125 ppm	Less than 125 ppm	1110/STP/110000861-00
10	Sulphated ash	Not more than 0.10 % w/w	0.04 %w/w	1110/STP/110000861-00
11	Loss on drying	Not more than 0.50 % w/w	0.26 %w/w	1110/STP/110000861-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Krishna deo singh	N/A	Phool Keshar
Designation	EXECUTIVE	EXECUTIVE	N/A	DY. MANAGER
Date	22/07/2024	22/07/2024	N/A	22/07/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : NIACINAMIDE -IP

Batch No. : 25/NMD[C]/00048

AR No. : 1110PRM2401519

S.No.	Test	Specifications	Results	Test Method
12	Related substances#	Any secondary spot in the chromatogram obtained with test solution is not more intense than the spot in the chromatogram obtained with reference solution.	Complies	1110/STP/110000861-00
13	Additional Test	NMT 3000 ppm	Less than 1 ppm	1110/STP/110000861-00

Conclusion : The sample complies with respect to specification No: 1110/SPC/110000861-00

Remark :

Note :# Test to be reported from vendor's COA and tested annually for each vendor.

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Krishna deo singh	N/A	Phool Keshar
Designation	EXECUTIVE	EXECUTIVE	N/A	DY. MANAGER
Date	22/07/2024	22/07/2024	N/A	22/07/2024

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: VIT. B6 (PYRIDOXINE HYDROCHLORIDE)	Material Code	: 110001267
Batch No.	: PH23103026	Protocol No.	: 1110/TDS/110001267-00
Manufacturer Name	: JIANGXI TIANXIN PHARMACEUTICAL CO.	Received Qty.	: 25 Kg
Supplier Name	: NANDLAL BANKATLAL PRIVATE LIMITED	GRN No.	: 5000002806
Received Date	: 20/05/2024	AR No.	: 1110PRM2400419
Manufacturer Date	: 08/10/2023	Retest Date	: 07/10/2027
Sampled On	: 23/05/2024	Retest Due On	: 28/05/2025
Analysis completion date	: 28/05/2024	Sampled Qty.	: 0.060 Kg
Sampled By & Date	: Krishna deo singh & 23/05/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Vinay Kumar & 20/05/2024	Pass Qty.	: 24.94 Kg
Specification No.	: 1110/SPC/110001267-00	STP No.	: 1110/STP/110001267-00
GRN Date	: 17/05/2024	Test Result	: PASS
SAP Lot No.	: 10000007339		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	A white or almost white, crystalline powder.	Almost white, crystalline powder.	1110/STP/110001267-00
2	Solubility	Freely soluble in water, slightly soluble in ethanol (95 %), practically insoluble in chloroform and in ether.	Complies	1110/STP/110001267-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Manju Bala	N/A	Phool Keshar
Designation	EXECUTIVE	SR. EXECUTIVE	N/A	DY. MANAGER
Date	28/05/2024	28/05/2024	N/A	28/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : VIT. B6 (PYRIDOXINE HYDROCHLORIDE)

Batch No. : PH23103026

AR No. : 1110PRM2400419

S.No.	Test	Specifications	Results	Test Method
3	Identification	Test A may be omitted if tests B, C and D are carried out. Tests B may be omitted if tests A, C and D are carried out.		1110/STP/110001267-00
3. A	By IR	Compare the spectrum with that obtained with pyridoxine hydrochloride IPRS or with the reference spectrum of pyridoxine hydrochloride. & record the observation.	Complies	1110/STP/110001267-00
3. B	By UV	Absorption maxima at 288 to 296 nm absorbance at maximum, 0.420 to 0.445. Another solution shows absorption maxima at 248 nm to 256 nm and 320 nm to 327 nm, absorbance at maxima, 0.175 to 0.195 and 0.345 to 0.365 respectively.	NA	1110/STP/110001267-00
3. C	By HPLC	In test for related substances, the principal peak in the chromatogram obtained with test solution corresponds to that in the chromatogram obtained with reference solution (a).	Complies	1110/STP/110001267-00
3. D	By Chemical	Gives the reaction of chlorides. A curdy, white precipitate should be formed which is insoluble in nitric acid, but after being washed with water, its soluble in dilute ammonia solution, from which it is reprecipitated by the addition of dilute nitric acid.	Complies	1110/STP/110001267-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Manju Bala	N/A	Phool Keshar
Designation	EXECUTIVE	SR. EXECUTIVE	N/A	DY. MANAGER
Date	28/05/2024	28/05/2024	N/A	28/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : VIT. B6 (PYRIDOXINE HYDROCHLORIDE)

Batch No. : PH23103026

AR No. : 1110PRM2400419

S.No.	Test	Specifications	Results	Test Method
4	Appearance of Solution#	The sample solution gives the same appearance as water and should not be more intensely coloured than reference solution YS7.	Complies	1110/STP/110001267-00
5	pH	Between 2.40 to 3.00	2.81	1110/STP/110001267-00
6	Heavy metals#	Not more than 20 ppm	Less than 20 ppm	1110/STP/110001267-00
7	Sulphated ash	Not more than 0.10 % w/w	0.07% w/w	1110/STP/110001267-00
8	Loss on drying	Not more than 0.50 % w/w	0.23 % w/w	1110/STP/110001267-00
9	Related substancesBy HPLC #			1110/STP/110001267-00
9.1	Pyridoxine impurity B	Not more than 0.15 %	Not detected	1110/STP/110001267-00
9.2	Any other individual impurity	Not more than 0.1 %	Less than 0.05 %	1110/STP/110001267-00
9.3	Total impurities (Including pyridoxine impurity B)	Not more than 0.2 %	0.05 %	1110/STP/110001267-00
10	Additional Test			1110/STP/110001267-00
10.A	Residual solvent: Ethanol #	NMT 5000 ppm	Not detected	1110/STP/110001267-00
11	Assay	Between 99.0 % to 101.0 % (on dried basis)	99.56 (ODB)	1110/STP/110001267-00

**Conclusion :** The sample complies with respect to specification No: 1110/SPC/110001267-00**Note :#** Test to be reported from vendor COA and tested annually once for each vendor.

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Manju Bala	N/A	Phool Keshar
Designation	EXECUTIVE	SR. EXECUTIVE	N/A	DY. MANAGER
Date	28/05/2024	28/05/2024	N/A	28/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : VIT. B6 (PYRIDOXINE HYDROCHLORIDE)

Batch No. : PH23103026

AR No. : 1110PRM2400419

S.No.	Test	Specifications	Results	Test Method
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\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Manju Bala	N/A	Phool Keshar
Designation	EXECUTIVE	SR. EXECUTIVE	N/A	DY. MANAGER
Date	28/05/2024	28/05/2024	N/A	28/05/2024

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: VIT. B12 1% TITURATED IN MANNITOL	Material Code	: 110001261
Batch No.	: 4006-40207	Protocol No.	: 1110/TDS/110001261-00
Manufacturer Name	: SUPREEM PHARMACEUTICAL MYSORE PVT L	Received Qty.	: 10 Kg
Supplier Name	: SUPREEM PHARMACEUTICALS MYSORE (P) LTD.	GRN No.	: 5000002327
Received Date	: 16/05/2024	AR No.	: 1110PRM2400332
Manufacturer Date	: 01/02/2024	Retest Date	: 31/01/2028
Sampled On	: 17/05/2024	Retest Due On	: 04/06/2025
Analysis completion date	: 04/06/2024	Sampled Qty.	: 0.060 Kg
Sampled By & Date	: Manju Bala & 17/05/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Pavan Kumar & 16/05/2024	Pass Qty.	: 9.94 Kg
Specification No.	: 1110/SPC/110001261-00	STP No.	: 1110/STP/110001261-00
GRN Date	: 14/05/2024	Test Result	: PASS
SAP Lot No.	: 10000006118		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	Pink color powder.	Pink color powder.	1110/STP/110001261-00
2	Solubility	Soluble in warm water.	Soluble in warm water.	1110/STP/110001261-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Sonit Kumar	Manju Bala	Anurag	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	SR. EXECUTIVE	DY. MANAGER
Date	04/06/2024	04/06/2024	04/06/2024	04/06/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : VIT. B12 1% TITURATED IN MANNITOL

Batch No. : 4006-40207

AR No. : 1110PRM2400332

S.No.	Test	Specifications	Results	Test Method
3	Identification		Complies	1110/STP/110001261-00
3. A	By UV.	Test solution when examined in the range of 260 nm to 610 nm, shows absorption maxima at about 361 nm	at 360 nm - 3.558 Abs	1110/STP/110001261-00
4	Loss on drying	Not more than 5.0 %w/w	0.91 %w/w	1110/STP/110001261-00
5	Assay			1110/STP/110001261-00
5. A	Assay Vitamin B12 (Cynocobalamin)	Between 1.0 %w/w to 1.2 % w/w	1.13% w/w	1110/STP/110001261-00
6	Microbiological Test			1110/STP/110001261-00
6. A	Total Bacterial Count	Not more than 1000 cfu/g	50 cfu/g	1110/STP/110001261-00
6. B	Yeast & Mold Count	Not more than 100 cfu/g	<10 cfu/g	1110/STP/110001261-00
6. C	E. coli	Should be Absent/g	Absent/g	1110/STP/110001261-00
6. D	Salmonella	Should be Absent/g	Absent/g	1110/STP/110001261-00
6. E	S. aureus	Should be Absent/g	Absent/g	1110/STP/110001261-00
6. F	P. Aeruginosa	Should be Absent/g	Absent/g	1110/STP/110001261-00

**Conclusion :** The sample complies with respect to specification No: 1110/SPC/110001261-00

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Sonit Kumar	Manju Bala	Anurag	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	SR. EXECUTIVE	DY. MANAGER
Date	04/06/2024	04/06/2024	04/06/2024	04/06/2024

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: TRI MAGNESIUM CITRATE ANHYDROUS	Material Code	: 110002061
Batch No.	: VPF04025	Protocol No.	: 1110/TDS/110002061-00
Manufacturer Name	: VALAJI PHARMA CHEM	Received Qty.	: 525 Kg
Supplier Name	: VALAJI PHARMA CHEM	GRN No.	: 5000064153
Received Date	: 12/07/2025	AR No.	: 1110PRM2502768
Manufacturer Date	: 01/06/2025	Exp. Date	: 31/05/2028
Sampled On	: 14/07/2025	Retest Due On	: N/A
Analysis completion date	: 23/07/2025	Sampled Qty.	: 0.140 Kg
Sampled By & Date	: Irshad Ahamad & 14/07/2025	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Saurabh & 12/07/2025	Pass Qty.	: 524.86 Kg
Specification No.	: 1110/SPC/110002061-00	STP No.	: 1110/STP/110002061-00
GRN Date	: 07/07/2025	Test Result	: PASS
SAP Lot No.	: 10000143911		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	White or almost white, fine, slightly hygroscopic powder.	White fine, slightly hygroscopic powder.	1110/STP/110002061-00
2	Solubility	Soluble in water, practically insoluble in ethanol (96 per cent). It dissolves in dilute hydrochloric acid.	Soluble in water, practically insoluble in ethanol (96 per cent). It dissolves in dilute hydrochloric acid.	1110/STP/110002061-00

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Radhe Shyam	Manju Bala	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	DY. MANAGER
Date	23/07/2025	23/07/2025	23/07/2025

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : TRI MAGNESIUM CITRATE ANHYDROUS

Batch No. : VPF04025

AR No. : 1110PRM2502768

S.No.	Test	Specifications	Results	Test Method
3	pH	6.0 to 8.5 for solution S	6.6	1110/STP/110002061-00
4	Loss on drying(at 180° ±10°C for 5 h)	Not more than 3.5 % w/w	2.31 %w/w	1110/STP/110002061-00
5	Assay	15.0 % to 16.5% of Magnesium (dried substance)	15.30 % (ODB)	1110/STP/110002061-00
6	Microbiological Test			1110/STP/110002061-00
6. A	Aerobic plate count	Not more than 10,000 cfu/g	400 cfu/g	1110/STP/110002061-00
6. B	Yeast & Mold Count	Not more than 100 cfu/g	<10 cfu/g	1110/STP/110002061-00
6. C	Enterobacteriaceae Count	Not more than 100 cfu/g	<10 cfu/g	1110/STP/110002061-00
6. D	Salmonella Species	Should be absent/25g	absent/25g	1110/STP/110002061-00
6. E	Listeria monocytogenes	Should be absent/25g	absent/25g	1110/STP/110002061-00
7	Heavy metals\$			1110/STP/110002061-00
7. A	Lead as Pb	Not more than 2.5 ppm	0.088 ppm	1110/STP/110002061-00
7. B	Arsenic as As	Not more than 1.1 ppm	0.010 ppm	1110/STP/110002061-00
7. C	Tin as Sn	Not more than 250 ppm	0.000 ppm	1110/STP/110002061-00
7. D	Cadmium as Cd	Not more than 1.5 ppm	0.002 ppm	1110/STP/110002061-00
7. E	Copper as Cu	Not more than 30 ppm	0.113 ppm	1110/STP/110002061-00

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Radhe Shyam	Manju Bala	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	DY. MANAGER
Date	23/07/2025	23/07/2025	23/07/2025

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : TRI MAGNESIUM CITRATE ANHYDROUS

Batch No. : VPF04025

AR No. : 1110PRM2502768

S.No.	Test	Specifications	Results	Test Method
7. F	Mercury as Hg	Not more than 1.0 ppm	0.011 ppm	1110/STP/110002061-00

Conclusion : The sample complies with respect to specification No: 1110/SPC/110002061-00

**Remark :****Note :** Test parameter to be done on initial batch at site and test report to be taken from vendor at every 6th month basis.

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Radhe Shyam	Manju Bala	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	DY. MANAGER
Date	23/07/2025	23/07/2025	23/07/2025

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: POTASSIUM CHLORIDE	Material Code	: 110000958
Batch No.	: ICP-2404199	Protocol No.	: 1110/TDS/110000958-00
Manufacturer Name	: INDIANA CHEM PORT	Received Qty.	: 1000 Kg
Supplier Name	: INDIANA CHEM PORT	GRN No.	: 5000000087
Received Date	: 21/04/2024	AR No.	: 1110PRM2400033
Manufacturer Date	: 01/04/2024	Retest Date	: 31/03/2029
Sampled On	: 22/04/2024	Retest Due On	: N/A
Analysis completion date	: 02/05/2024	Sampled Qty.	: 0.080 Kg
Sampled By & Date	: Amit Panwar & 22/04/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Amit Panwar & 21/04/2024	Pass Qty.	: 999.92 Kg
Specification No.	: 1110/SPC/110000958-00	STP No.	: 1110/STP/110000958-00
GRN Date	: 16/04/2024	Test Result	: PASS
SAP Lot No.	: 10000000307		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	Colorless crystals or a white, crystalline powder	White, crystalline powder .	1110/STP/110000958-00
2	Solubility	Freely soluble in water; practically insoluble in ethanol and in ether	Freely soluble in water; practically insoluble in ethanol and in ether .	1110/STP/110000958-00
3	Identification			1110/STP/110000958-00
3. A	By Chemically			1110/STP/110000958-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Vaseem Iqbal	Anand Dwivedi	N/A	Phool Keshar
Designation	SR. OFFICER	SR. EXECUTIVE	N/A	DY. MANAGER
Date	02/05/2024	02/05/2024	N/A	02/05/2024

**QUALITY CONTROL DEPARTMENT**

Name of Material : POTASSIUM CHLORIDE

Batch No. : ICP-2404199

AR No. : 1110PRM2400033

S.No.	Test	Specifications	Results	Test Method
3. A.1	Reaction A of potassium salt	A yellow or orange yellow precipitate is produced immediately.	A yellow precipitate is produced immediately .	1110/STP/110000958-00
3. A.2	Reaction B of potassium salt	A white, crystalline precipitate is produced.	A white, crystalline precipitate is produced .	1110/STP/110000958-00
3. B	By Chemically	Give the reactions of Chloride salts	Complies .	1110/STP/110000958-00
3. B.1	Reaction A of chloride	It is reprecipitated by the addition of dilute nitric acid.	Complies .	1110/STP/110000958-00
3. B.2	Reaction B of chloride	The paper turns violet-red.	The paper turns violet-red .	1110/STP/110000958-00
4	Appearance of Solution	Solution A is clear and colourless	Solution A is clear and colourless	1110/STP/110000958-00
5	Acidity or Alkalinity	Not more than 0.5 ml of 0.01M sodium hydroxide or 0.01M hydrochloric acid required for neutralisation to bromothymol blue solution	0.3 ml of 0.01 M NaOH is required for neutralisation to bromothymol blue solution .	1110/STP/110000958-00
6	Arsenic	Not more than 1 ppm	Less than 1 ppm .	1110/STP/110000958-00
7	Barium	The solution is not more opalescent than a mixture of 5 ml of solution A and 6 ml of water	Complies .	1110/STP/110000958-00
8	Heavy metals (Method A)	Not more than 10 ppm	Less than 10 ppm .	1110/STP/110000958-00
9	Calcium & magnesium	The solution remain clear	The solution remain clear .	1110/STP/110000958-00
10	Iron	Not more than 20 ppm	Less than 20 ppm .	1110/STP/110000958-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Vaseem Iqbal	Anand Dwivedi	N/A	Phool Keshar
Designation	SR. OFFICER	SR. EXECUTIVE	N/A	DY. MANAGER
Date	02/05/2024	02/05/2024	N/A	02/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : POTASSIUM CHLORIDE

Batch No. : ICP-2404199

AR No. : 1110PRM2400033

S.No.	Test	Specifications	Results	Test Method
11	Bromides	Not more than 0.10 %	Complies	1110/STP/110000958-00
12	Iodides	The substance shows no blue colour after 5 minutes	The substance shows no blue colour after 5 minutes .	1110/STP/110000958-00
13	Sulphates	Not more than 300 ppm	Less than 300 ppm .	1110/STP/110000958-00
14	Loss on drying	Not more than 1.00 %.w/w	0.52 %w/w	1110/STP/110000958-00
15	Assay	Between 99.00 % w/w to 100.50 % w/w (ODB)	99.89 % (ODB)	1110/STP/110000958-00

**Conclusion :** The sample complies with respect to specification No: 1110/SPC/110000958-00

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Vaseem Iqbal	Anand Dwivedi	N/A	Phool Keshar
Designation	SR. OFFICER	SR. EXECUTIVE	N/A	DY. MANAGER
Date	02/05/2024	02/05/2024	N/A	02/05/2024

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: SODIUM CHLORIDE IP(Na@39.34 & Cl@60.67%)	Material Code	: 110001114
Batch No.	: SC/005	Protocol No.	: 1110/TDS/110001114-00
Manufacturer Name	: PRAVINA PHARMA CHEM PRODUCTS	Received Qty.	: 250 Kg
Supplier Name	: QUMED BIOTEK PVT. LTD.	GRN No.	: 5000006020
Received Date	: 08/06/2024	AR No.	: 1110PRM2400854
Manufacturer Date	: 15/04/2024	Retest Date	: 14/04/2029
Sampled On	: 08/06/2024	Retest Due On	: N/A
Analysis completion date	: 18/06/2024	Sampled Qty.	: 0.190 Kg
Sampled By & Date	: Vinay Kumar & 08/06/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Pavan Kumar & 08/06/2024	Pass Qty.	: 249.81 Kg
Specification No.	: 1110/SPC/110001114-00	STP No.	: 1110/STP/110001114-00
GRN Date	: 06/06/2024	Test Result	: PASS
SAP Lot No.	: 10000014420		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	White or colourless crystals or a white crystalline powder	White crystalline powder	1110/STP/110001114-00
2	Solubility	Freely soluble in water and slightly more soluble in boiling water, practically insoluble in ethanol	Complies	1110/STP/110001114-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Krishna deo singh	N/A	Jagmohan singh Rana
Designation	EXECUTIVE	EXECUTIVE	N/A	MANAGER (QC)
Date	18/06/2024	18/06/2024	N/A	18/06/2024

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Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : SODIUM CHLORIDE IP (Na@39.34 &amp; Cl@60.67%)

Batch No. : SC/005

AR No. : 1110PRM2400854

S.No.	Test	Specifications	Results	Test Method
3	Identification			1110/STP/11 0001114-00
3. A	By Chemical			1110/STP/11 0001114-00
3. A.1	Reaction (a) of chloride	Reprecipitated by the addition of dilute nitric acid.	Complies	1110/STP/11 0001114-00
3. A.2	Reaction (b) of chlorides	The paper turns violet-red.	Complies	1110/STP/11 0001114-00
3. B	By Chemical			1110/STP/11 0001114-00
3. B.1	Reaction (a) of sodium salt	A dense, white precipitate is formed.	Complies	1110/STP/11 0001114-00
3. B.2	Reaction (b) of sodium salt	No precipitate is formed.	Complies	1110/STP/11 0001114-00
4	Appearance of Solution#	Solution A is clear and colorless.	Complies	1110/STP/11 0001114-00
5	Acidity or Alkalinity#	Not more than 0.5 ml of 0.01 M hydrochloric acid or of 0.01 M sodium hydroxide is required to change the colour of the solution	Complies	1110/STP/11 0001114-00
6	Arsenic#	Not more than 1 ppm	Complies	1110/STP/11 0001114-00
7	Barium#	No turbidity is produced within 2 hours	Complies	1110/STP/11 0001114-00
8	Bromide#	Not more than 100 ppm	Complies	1110/STP/11 0001114-00
9	Calcium & magnesium#	Not more than 50 ppm	30 ppm	1110/STP/11 0001114-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Krishna deo singh	N/A	Jagmohan singh Rana
Designation	EXECUTIVE	EXECUTIVE	N/A	MANAGER (QC)
Date	18/06/2024	18/06/2024	N/A	18/06/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : SODIUM CHLORIDE IP (Na@39.34 &amp; Cl@60.67%)

Batch No. : SC/005

AR No. : 1110PRM2400854

S.No.	Test	Specifications	Results	Test Method
10	Ferrocyanide#	No blue color is produced within 10 minutes	Complies	1110/STP/110001114-00
11	Heavy metals#	Not more than 5 ppm	Complies	1110/STP/110001114-00
12	Iodide#	The substance shows no blue colour after 5 minutes	Complies	1110/STP/110001114-00
13	Iron#	Not more than 20 ppm	Complies	1110/STP/110001114-00
14	Sulphates#	Not more than 300 ppm	Complies	1110/STP/110001114-00
15	Loss on drying	Not more than 1.00 % w/w	0.49 % w/w	1110/STP/110001114-00
16	Assay	Between 99.00 % w/w to 100.50 % w/w (ODB)	99.83 % w/w(ODB)	1110/STP/110001114-00
17	Additional Test#			1110/STP/110001114-00
17. A	Bulk Density	To be reported	1.07 g/ml	1110/STP/110001114-00
17. B	Tapped Density	To be reported	1.25 g/ml	1110/STP/110001114-00

**Conclusion :** The sample complies with respect to specification No: 1110/SPC/110001114-00**Note :#** Test parameter to be reported from vendor COA and tested annually once for each vendor.

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Krishna deo singh	N/A	Jagmohan singh Rana
Designation	EXECUTIVE	EXECUTIVE	N/A	MANAGER (QC)
Date	18/06/2024	18/06/2024	N/A	18/06/2024

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: MANNITOL IP	Material Code	: 120000659
Batch No.	: 292402302	Protocol No.	: 1110/TDS/120000659-00
Manufacturer Name	: SHANDONG TIANLI PHARMACEUTICAL CO.	Received Qty.	: 425 Kg
Supplier Name	: SCOPE INDREDIENTS PVT LTD	GRN No.	: 5000000161
Received Date	: 24/04/2024	AR No.	: 1110PRM2400112
Manufacturer Date	: 03/02/2024	Retest Date	: 02/02/2029
Sampled On	: 24/04/2024	Retest Due On	: N/A
Analysis completion date	: 10/05/2024	Sampled Qty.	: 0.140 Kg
Sampled By & Date	: Vinay Kumar & 24/04/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Vinay Kumar & 24/04/2024	Pass Qty.	: 424.86 Kg
Specification No.	: 1110/SPC/120000659-00	STP No.	: 1110/STP/120000659-00
GRN Date	: 18/04/2024	Test Result	: PASS
SAP Lot No.	: 10000000593		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	A white, crystalline powder or free flowing granules.	A white, crystalline powder.	1110/STP/120000659-00
2	Solubility	Freely soluble in water, slightly soluble in Pyridine; very slightly soluble in ethanol (95%); insoluble in chloroform and ether.	Freely soluble in water, slightly soluble in Pyridine; very slightly soluble in ethanol (95%); insoluble in chloroform and ether.	1110/STP/120000659-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Manju Bala	N/A	Phool Keshar
Designation	EXECUTIVE	SR. EXECUTIVE	N/A	DY. MANAGER
Date	10/05/2024	10/05/2024	N/A	10/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : MANNITOL IP

Batch No. : 292402302

AR No. : 1110PRM2400112

S.No.	Test	Specifications	Results	Test Method
3	Identification			1110/STP/12 0000659-00
3. A	By IR	The infra-red absorption spectrum of sample should concordant with the spectrum obtained from Mannitol working standard or with the reference spectrum of Mannitol.	Complies	1110/STP/12 0000659-00
3. B		A clear solution is obtained which remains clear on the further addition of sodium hydroxide solution.	Complies	1110/STP/12 0000659-00
3. C		A pink colour is produced.	A pink colour is produced.	1110/STP/12 0000659-00
3. D		Melting range 165° to 170°	167.7° to 168.8°c	1110/STP/12 0000659-00
4	Appearance of Solution	Solution A is clear and colorless.	Solution A is clear and colorless.	1110/STP/12 0000659-00
5	Acidity or Alkalinity	Not more than 0.2 ml of 0.01 M sodium hydroxide is required to change the colour of the solution to pink. Not more than 0.3 ml of 0.01 M hydrochloric acid is required to change the colour of solution to red.	0.12 ml of 0.01 M sodium hydroxide is used to change the colour of the solution to pink. 0.18 ml of 0.01 M hydrochloric acid is used to change the colour of solution to red.	1110/STP/12 0000659-00
6	Specific optical rotation	Between +23.0° to +25.0°	+23.9°	1110/STP/12 0000659-00
7	Arsenic	Not more than 2 ppm	Less than 2 ppm	1110/STP/12 0000659-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Manju Bala	N/A	Phool Keshar
Designation	EXECUTIVE	SR. EXECUTIVE	N/A	DY. MANAGER
Date	10/05/2024	10/05/2024	N/A	10/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : MANNITOL IP

Batch No. : 292402302

AR No. : 1110PRM2400112

S.No.	Test	Specifications	Results	Test Method
8	Chlorides	Not more than 50 ppm	Less than 50 ppm	1110/STP/12 0000659-00
9	Sulphates	Not more than 100 ppm	Less than 100 ppm	1110/STP/12 0000659-00
10	Reducing sugars	Not less than 12.8 ml of 0.05 M sodium thiosulphate is required.	18.4 ml of 0.05 M sodium thiosulphate is used.	1110/STP/12 0000659-00
11	Sorbitol(By TLC)	Any spot corresponding to sorbitol in the chromatogram obtained with the test solution is not more intense than the spot in the chromatogram obtained with the reference solution.	Complies	1110/STP/12 0000659-00
12	Sulphated ash	Not more than 0.10 %w/w	0.02 %w/w	1110/STP/12 0000659-00
13	Loss on drying	Not more than 0.50 %w/w	0.27 %w/w	1110/STP/12 0000659-00
14	Assay			1110/STP/12 0000659-00
14	(By HPLC)	Between 97.00 %w/w to 102.00 %w/w on dried basis	99.72 %w/w (odb)	1110/STP/12 0000659-00
15	Additional Test			1110/STP/12 0000659-00
15. A	Bulk Density	To be reported	0.53 g/ml	1110/STP/12 0000659-00
15. B	Tapped Density	To be reported	0.73 g/ml	1110/STP/12 0000659-00

**Conclusion :** The sample complies with respect to specification No: 1110/SPC/120000659-00

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Manju Bala	N/A	Phool Keshar
Designation	EXECUTIVE	SR. EXECUTIVE	N/A	DY. MANAGER
Date	10/05/2024	10/05/2024	N/A	10/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: COLLOIDAL SILICON DIOXIDE	Material Code	: 120000201
Batch No.	: YA49044	Protocol No.	: 1110/TDS/120000201-00
Manufacturer Name	: WACKER CHEMEI AG	Received Qty.	: 300 Kg
Supplier Name	: PRAGATI PHARMA	GRN No.	: 5000000552
Received Date	: 29/04/2024	AR No.	: 1110PRM2400194
Manufacturer Date	: 06/12/2023	Retest Date	: 05/12/2026
Sampled On	: 29/04/2024	Retest Due On	: N/A
Analysis completion date	: 16/05/2024	Sampled Qty.	: 0.120 Kg
Sampled By & Date	: Vinay Kumar & 29/04/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Vinay Kumar & 29/04/2024	Pass Qty.	: 299.88 Kg
Specification No.	: 1110/SPC/120000201-00	STP No.	: 1110/STP/120000201-00
GRN Date	: 25/04/2024	Test Result	: PASS
SAP Lot No.	: 10000002051		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	A light, fine, white, amorphous powder. It has a particle size of about 15 nm.	A light, fine, white, amorphous powder.	1110/STP/120000201-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Krishna deo singh	N/A	Phool Keshar
Designation	EXECUTIVE	EXECUTIVE	N/A	DY. MANAGER
Date	16/05/2024	16/05/2024	N/A	16/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : COLLOIDAL SILICON DIOXIDE

Batch No. : YA49044

AR No. : 1110PRM2400194

S.No.	Test	Specifications	Results	Test Method
2	Solubility	Practically insoluble in water and in mineral acids except hydrofluoric acid. It dissolves in hot solutions of alkali hydroxides. When 1 g is shaken vigorously with 20 ml of carbon tetrachloride for 3 minutes; a transparent gel is produced.	Practically insoluble in water and in mineral acids except hydrofluoric acid. It dissolves in hot solutions of alkali hydroxides. When 1 g is shaken vigorously with 20 ml of carbon tetrachloride for 3 minutes; a transparent gel is produced.	1110/STP/12 0000201-00
3	Identification	About 20 mg gives the reaction of silicates.	Complies	1110/STP/12 0000201-00
4	pH	Between 3.50 to 5.50	4.47	1110/STP/12 0000201-00
5	Arsenic#	Not more than 8 ppm	Less than 8 ppm	1110/STP/12 0000201-00
6	Heavy metals (Method D)#	Not more than 25 ppm	Less than 25 ppm	1110/STP/12 0000201-00
7	Chlorides#	Not more than 250 ppm	Less than 250 ppm	TLS/STRM/D CSD/0056- 12
8	Loss of Ignition	Not more than 5.00 %w/w	2.39 %w/w	1110/STP/12 0000201-00
9	Assay	Between 99.0 % to 100.5 % w/w of SiO <sub>2</sub> , calculated on the ignite basis.	99.61 % w/w of SiO <sub>2</sub> , calculated on the ignite basis.	1110/STP/12 0000201-00

**Conclusion :** The sample complies with respect to specification No: 1110/SPC/120000201-00**Note :#** To be reported from vendor's COA and tested annually once for each vendor.

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Krishna deo singh	N/A	Phool Keshar
Designation	EXECUTIVE	EXECUTIVE	N/A	DY. MANAGER
Date	16/05/2024	16/05/2024	N/A	16/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : COLLOIDAL SILICON DIOXIDE

Batch No. : YA49044

AR No. : 1110PRM2400194

S.No.	Test	Specifications	Results	Test Method
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\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Krishna deo singh	N/A	Phool Keshar
Designation	EXECUTIVE	EXECUTIVE	N/A	DY. MANAGER
Date	16/05/2024	16/05/2024	N/A	16/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: CITRIC ACID ANHYDROUS IP(PASS THRW 100#)	Material Code	: 120000166
Batch No.	: A-BA001/03/2024	Protocol No.	: 1110/TDS/120000166-00
Manufacturer Name	: WANG PHARMACEUTICALS & CHEMICALS	Received Qty.	: 1000 Kg
Supplier Name	: WANG PHARMACEUTICALS & CHEMICALS	GRN No.	: 5000026151
Received Date	: 16/10/2024	AR No.	: 1110PRM2402844
Manufacturer Date	: 01/03/2024	Retest Date	: 28/02/2027
Sampled On	: 16/10/2024	Retest Due On	: N/A
Analysis completion date	: 19/10/2024	Sampled Qty.	: 0.120 Kg
Sampled By & Date	: Amit Panwar & 16/10/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Amit Panwar & 16/10/2024	Pass Qty.	: 999.88 Kg
Specification No.	: 1110/SPC/120000166-00	STP No.	: 1110/STP/120000166-00
GRN Date	: 15/10/2024	Test Result	: PASS
SAP Lot No.	: 10000060298		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	Colorless crystals or a white powder slightly hygroscopic in moist air.	Colorless crystals slightly hygroscopic in moist air.	1110/STP/120000166-00

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Vaseem Iqbal	Krishna deo singh	Jagmohan singh Rana
Designation	SR. OFFICER	EXECUTIVE	MANAGER (QC)
Date	19/10/2024	19/10/2024	19/10/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : CITRIC ACID ANHYDROUS IP(PASS THRW 100#)

Batch No. : A-BA001/03/2024

AR No. : 1110PRM2402844

S.No.	Test	Specifications	Results	Test Method
2	Solubility	Very soluble in water, freely soluble in ethanol (95 %), sparingly soluble in ether.	Very soluble in water, freely soluble in ethanol (95 %), sparingly soluble in ether.	1110/STP/12 0000166-00
3	Identification			1110/STP/12 0000166-00
3.1	By IR	Compare thr spectrum with that obtained with Citric acid IPRS / Working standard or with the reference spectrum of citric acid.	Complies .	1110/STP/12 0000166-00
3.2	By chemical	<b>Give reaction A of citrates:</b> No precipitate is produced. Boil the solution, a white precipitate soluble in 6 M acetic acid is produced.	No precipitate is produced. After boiling the solution, a white precipitate soluble in 6 M acetic acid is produced.	1110/STP/12 0000166-00
3.3	By chemical	A 10 % w/v solution should be strongly acidic.(pH is less then 4.0 (indicator: congo red paper)	1.78	1110/STP/12 0000166-00
4	Appearance of Solution#	A solution is clear and not more intensely coloured than reference solution YS7, BYS7 or GYS7	Complies	1110/STP/12 0000166-00
5	Arsenic#	Not more than 1 ppm	Less than 1 ppm	1110/STP/12 0000166-00
6	Barium#	Any opalescence produced with test solution should not be more intense than that of a mixture of 5 ml of solution A and 5 ml of distilled water.	Complies .	1110/STP/12 0000166-00

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Vaseem Iqbal	Krishna deo singh	Jagmohan singh Rana
Designation	SR. OFFICER	EXECUTIVE	MANAGER (QC)
Date	19/10/2024	19/10/2024	19/10/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : CITRIC ACID ANHYDROUS IP(PASS THRW 100#)

Batch No. : A-BA001/03/2024

AR No. : 1110PRM2402844

S.No.	Test	Specifications	Results	Test Method
7	Calcium#	Not more than 200 ppm	Less than 200 ppm	1110/STP/12 0000166-00
8	Heavy metals#	Not more than 10 ppm	Less than 10 ppm	1110/STP/12 0000166-00
9	Iron#	Not more than 50 ppm	Less than 50 ppm	1110/STP/12 0000166-00
10	Chloride#	Not more than 50 ppm	Less than 50 ppm	1110/STP/12 0000166-00
11	Sulphate#	Not more than 150 ppm	Less than 150 ppm	1110/STP/12 0000166-00
12	Oxalic acid#	Any pink color produced with test solution should not be more than intense than that produced by carrying out the test using 0.2 mg of Oxalic acid dissolved in 4 ml of water.	Complies .	1110/STP/12 0000166-00
13	Readily carbonisable substances#	Any color produced with test solution should not be more intense than that of a mixture of 1.0 ml of CCS and 9.0 ml of FCS.	Complies .	1110/STP/12 0000166-00
14	Sulphated ash	Not more than 0.10 % w/w	0.07 %w/w	1110/STP/12 0000166-00
15	Water	Not more than 1.00 % w/w	0.09 % w/w	1110/STP/12 0000166-00
16	Assay	Between 99.0 to 101.0 % w/w (on anhydrous basis)	99.48 % w/w(OAB)	1110/STP/12 0000166-00

Conclusion : The sample complies with respect to specification No: 1110/SPC/120000166-00

Remark :

Note :# To be reported from vender COA and tested annually once for each vendor.

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Vaseem Iqbal	Krishna deo singh	Jagmohan singh Rana
Designation	SR. OFFICER	EXECUTIVE	MANAGER (QC)
Date	19/10/2024	19/10/2024	19/10/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : CITRIC ACID ANHYDROUS IP(PASS THRW 100#)

Batch No. : A-BA001/03/2024

AR No. : 1110PRM2402844

S.No.	Test	Specifications	Results	Test Method
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\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Vaseem Iqbal	Krishna deo singh	Jagmohan singh Rana
Designation	SR. OFFICER	EXECUTIVE	MANAGER (QC)
Date	19/10/2024	19/10/2024	19/10/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: SUCRALOSE_IP	Material Code	: 120000988
Batch No.	: MC23H92021	Protocol No.	: 1110/TDS/120000988-00
Manufacturer Name	: N/A	Received Qty.	: 30 Kg
Supplier Name	: TIRUPATI WELLNESS PRIVATE LIMITED	GRN No.	: 4900043712
Received Date	: 23/05/2024	AR No.	: 1110PRM2400495
Manufacturer Date	: 02/08/2023	Retest Date	: 01/08/2025
Sampled On	: 23/05/2024	Retest Due On	: N/A
Analysis completion date	: 23/05/2024	Sampled Qty.	: 0.090 Kg
Sampled By & Date	: Krishna deo singh & 23/05/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Pavan Kumar & 23/05/2024	Pass Qty.	: 29.91 Kg
Specification No.	: 1110/SPC/120000988-00	STP No.	: 1110/STP/120000988-00
GRN Date	: 21/05/2024	Test Result	: PASS
SAP Lot No.	: 50000004006		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	A white to off-white crystalline powder	A white crystalline powder	1110/STP/120000988-00
2	Solubility	Freely soluble in water, in methanol and in ethanol (95 %), slightly soluble in ethyl acetate	Freely soluble in water, in methanol and in ethanol (95 %), slightly soluble in ethyl acetate	1110/STP/120000988-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aman	Anand Dwivedi	N/A	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	N/A	DY. MANAGER
Date	23/05/2024	23/05/2024	N/A	23/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : SUCRALOSE\_IP

Batch No. : MC23H92021

AR No. : 1110PRM2400495

S.No.	Test	Specifications	Results	Test Method
3	Identification			1110/STP/12 0000988-00
3. A	By IR	The infra-red absorption spectrum of sample should be concordant with the spectrum obtained from sucralose WS/IPRS or with the reference spectrum of sucralose.	Complies	1110/STP/12 0000988-00
3. B	By Assay	The principal peak in the chromatogram obtained with the test solution corresponds to the peak in the chromatogram obtained with the reference solution.	Complies	1110/STP/12 0000988-00
4	Specific optical rotation	Between +84.0° to +87.5° , determined at 20°C in a 1.0 % w/v solution in water.	86.06 °	1110/STP/12 0000988-00
5	Related substances#	The Rf value of the principal spot obtained with the test solution corresponds to the spot in the chromatogram obtained with reference solution (a). Any secondary spot in the chromatogram obtained with the test solution is not more intense than the spot in the chromatogram obtained with reference solution (b) (0.5 %).	< 0.5	1110/STP/12 0000988-00
6	Hydrolysis Products#	The color of the spot obtained from the test solution is not more intense than that obtained from reference solution (b) (0.1 %).	Complies	1110/STP/12 0000988-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aman	Anand Dwivedi	N/A	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	N/A	DY. MANAGER
Date	23/05/2024	23/05/2024	N/A	23/05/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : SUCRALOSE\_IP

Batch No. : MC23H92021

AR No. : 1110PRM2400495

S.No.	Test	Specifications	Results	Test Method
7	Heavy metals (Method B) #	Not more than 10 ppm	Complies	1110/STP/120000988-00
8	Sulphated ash	Not more than 0.7% w/w	0.30 % w/w	1110/STP/120000988-00
9	Water	Not more than 2.00 %	0.23 % w/w	1110/STP/120000988-00
10	Assay(By HPLC)	Not less than 98.0 % and not more than 102.0% on the anhydrous basis	100.90 % w/w(OAB)	1110/STP/120000988-00

Conclusion : The sample complies with respect to specification No: 1110/SPC/120000988-00

Remark : Material Transfer To TWN

Note :# To be reported from vender COA and tested annually once for each vendor.

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aman	Anand Dwivedi	N/A	Phool Keshar
Designation	OFFICER	SR. EXECUTIVE	N/A	DY. MANAGER
Date	23/05/2024	23/05/2024	N/A	23/05/2024

**QUALITY CONTROL DEPARTMENT  
CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: STEVIA (REBAUDIOSIDE A-97% )-PURECIRCLE	Material Code	: 120000976
Batch No.	: 20240406	Protocol No.	: 1110/TDS/120000976-00
Manufacturer Name	: ARBOREAL BIOINNOVATIONS PRIVATE LIM	Received Qty.	: 10 Kg
Supplier Name	: ARBOREAL BIOINNOVATIONS PRIVATE LIMITED	GRN No.	: 5000003642
Received Date	: 24/05/2024	AR No.	: 1110PRM2400543
Manufacturer Date	: 06/04/2024	Retest Date	: 05/04/2026
Sampled On	: 28/05/2024	Retest Due On	: N/A
Analysis completion date	: 05/06/2024	Sampled Qty.	: 0.160 Kg
Sampled By & Date	: Manju Bala & 28/05/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Amit Panwar & 24/05/2024	Pass Qty.	: 9.84 Kg
Specification No.	: 1110/SPC/120000976-00	STP No.	: 1110/STP/120000976-00
GRN Date	: 22/05/2024	Test Result	: PASS
SAP Lot No.	: 10000008952		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Description	White to off white powder.	White powder.	1110/STP/120000976-00
2	Solubility	Soluble in water.	Soluble in water.	1110/STP/120000976-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Manju Bala	Shivani Sharma	Phool Keshar
Designation	EXECUTIVE	SR. EXECUTIVE	EXECUTIVE	DY. MANAGER
Date	05/06/2024	05/06/2024	05/06/2024	05/06/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : STEVIA (REBAUDIOSIDE A-97% )-PURECIRCLE

Batch No. : 20240406

AR No. : 1110PRM2400543

S.No.	Test	Specifications	Results	Test Method
3	pH	Between 4.50 to 7.50	7.19	1110/STP/12 0000976-00
4	Loss on drying	Not more than 5.00 % w/w	2.52 % w/w	1110/STP/12 0000976-00
5	Ash content	Not more than 0.20 % w/w	0.06 % w/w	1110/STP/12 0000976-00
6	Heavy metals#			1110/STP/12 0000976-00
6. A	Lead	Not more than 1 ppm	Complies.	1110/STP/12 0000976-00
6. B	Cadmium	Not more than 1 ppm	Complies.	1110/STP/12 0000976-00
6. C	Arsenic	Not more than 1 ppm	Complies.	1110/STP/12 0000976-00
6. D	Mercury	Not more than 1 ppm	Complies.	1110/STP/12 0000976-00
7	Microbiological Test			1110/STP/12 0000976-00
7. A	Total Aerobic count	NMT 10,000 cfu/g	1200 cfu/g	1110/STP/12 0000976-00
7. B	Total Combined Yeast & molds	NMT 100 cfu/g	<10 cfu/g	1110/STP/12 0000976-00
7. C	E. Coli	Should be absent/g	Absent/g	1110/STP/12 0000976-00
7. D	Salmonella Sp.	Should be absent/25g	Absent/25g	1110/STP/12 0000976-00
7. E	Shigella	Should be absent/10 g	Absent/10 g	1110/STP/12 0000976-00
7. F	Staphylococcus aureus	Should be absent/g	Absent/g	1110/STP/12 0000976-00

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Manju Bala	Shivani Sharma	Phool Keshar
Designation	EXECUTIVE	SR. EXECUTIVE	EXECUTIVE	DY. MANAGER
Date	05/06/2024	05/06/2024	05/06/2024	05/06/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : STEVIA (REBAUDIOSIDE A-97% )-PURECIRCLE

Batch No. : 20240406

AR No. : 1110PRM2400543

S.No.	Test	Specifications	Results	Test Method
8	Additional Test			1110/STP/12 0000976-00
8. A	Bulk density	To be reported	0.34 g/ml	1110/STP/12 0000976-00
8. B	Tapped density	To be reported	0.42 g/ml	1110/STP/12 0000976-00

**Conclusion :** The sample complies with respect to specification No: 1110/SPC/120000976-00**Note :** # Result reported from vendor COA

\*\*\*\*\* End of Report \*\*\*\*\*

Signatories	Prepared By (QC)	Checked By (QC)	Checked By (Micro) (Authorized Signatory)	Approved By (QC)
Name	Aditya	Manju Bala	Shivani Sharma	Phool Keshar
Designation	EXECUTIVE	SR. EXECUTIVE	EXECUTIVE	DY. MANAGER
Date	05/06/2024	05/06/2024	05/06/2024	05/06/2024

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS - RAW MATERIAL**

Name of Material	: 860013 TD0594 LEMON DURAROME FLAVOR	Material Code	: 120001374
Batch No.	: 1007288397	Protocol No.	: 1110/TDS/120001374-01
Manufacturer Name	: FIRMENICH AROMATICS INDONESIA	Received Qty.	: 50 Kg
Supplier Name	: RENAISSANCE OVERSEAS INDIA	GRN No.	: 5000034964
Received Date	: 18/12/2024	AR No.	: 1110PRM2403725
Manufacturer Date	: 25/10/2023	Exp. Date	: 25/10/2027
Sampled On	: 18/12/2024	Retest Due On	: N/A
Analysis completion date	: 26/12/2024	Sampled Qty.	: 0.380 Kg
Sampled By & Date	: Krishna deo singh & 18/12/2024	Rejection Qty.	: 0.00 Kg
Sample Login By & Date	: Irshad Ahamad & 18/12/2024	Pass Qty.	: 49.62 Kg
Specification No.	: 1110/SPC/120001374-02	STP No.	: 1110/STP/120001374-00
GRN Date	: 18/12/2024	Test Result	: PASS
SAP Lot No.	: 10000080822		

**RESULT OF ANALYSIS**

S.No.	Test	Specifications	Results	Test Method
1	Appearance	Granular powder	Granular powder	1110/STP/12 0001374-00
2	Color	Beige to tan colour	Beige	1110/STP/12 0001374-00
3	Odour	Characteristic odour	Characteristic odour	1110/STP/12 0001374-00

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Sonit Kumar	Krishna deo singh	Phool Keshar
Designation	OFFICER	EXECUTIVE	DY. MANAGER
Date	26/12/2024	26/12/2024	26/12/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : 860013 TD0594 LEMON DURAROME FLAVOR

Batch No. : 1007288397

AR No.

: 1110PRM2403725

S.No.	Test	Specifications	Results	Test Method
4	Taste	Characteristic taste	Characteristic taste	1110/STP/12 0001374-00
5	Sieve Test(through #18 mesh)	Not less than 99 % passes	99.34 %	1110/STP/12 0001374-00
6	Water activity@	To be reported	0.513	1110/STP/12 0001374-00
7	Water Content	Not more than 7.0 %	3.5 %	1110/STP/12 0001374-00
8	Heavy metals by ICP-MS			1110/STP/12 0001374-00
8. A	Lead as Pb	Not more than 2.5 ppm	BDL(DL-0.007)	1110/STP/12 0001374-00
8. B	Arsenic as As	Not more than 1.1 ppm	BDL(DL-0.007)	1110/STP/12 0001374-00
8. C	Cadmium as Cd	Not more than 1.5 ppm	BDL(DL-0.007)	1110/STP/12 0001374-00
8. D	Mercury as Hg	Not more than 1.0 ppm	BDL(DL-0.003)	1110/STP/12 0001374-00
8. E	Copper as Cu	Not more than 30 ppm	BDL(DL-0.007)	1110/STP/12 0001374-00
8. F	Tin as Sn	Not more than 250 ppm	BDL(DL-0.003)	1110/STP/12 0001374-00
8. G	Methyl Mercury (Calculated as element)	Not more than 0.25 ppm	BDL(DL-0.008)	1110/STP/12 0001374-00
9	Microbiological Test			1110/STP/12 0001374-00
9. A	Total aerobic plate count	Not more than 10,000 cfu/g	600 cfu/g	1110/STP/12 0001374-00
9. B	Total Yeast & Mould Count	Not more than 100 cfu/g	<10 cfu/g	1110/STP/12 0001374-00

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Sonit Kumar	Krishna deo singh	Phool Keshar
Designation	OFFICER	EXECUTIVE	DY. MANAGER
Date	26/12/2024	26/12/2024	26/12/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : 860013 TD0594 LEMON DURAROME FLAVOR

Batch No. : 1007288397

AR No. : 1110PRM2403725

S.No.	Test	Specifications	Results	Test Method
9. C	Enterobacteriaceae count	Should be absent /g	absent /g	1110/STP/120001374-00
9. D	Salmonella Species	Should be absent/25g	absent/25g	1110/STP/120001374-00
9. E	Listeria monocytogenes	Should be absent/25g	absent/25g	1110/STP/120001374-00
9. F	Staphylococcus aureus	Should be absent/10g	absent/10g	1110/STP/120001374-00
9. G	E. coli	Should be absent /g	absent /g	1110/STP/120001374-00
9. H	Coliforms	Not more than 100 cfu/g	<10 cfu/g	1110/STP/120001374-00
10	Residual SolventBy GC (ppm)	To Comply ICH Requirement.	Not detected	1110/STP/120001374-00
11	Allergen	Nil	Nil	1110/STP/120001374-00
12	Pesticides, Aflatoxins & Contaminants residue	To comply as per FSSAI Requirement	BLQ	1110/STP/120001374-00
13	Melamine	Not more than 2.5 ppm	Not detected	1110/STP/120001374-00

Conclusion : The sample complies with respect to specification No: 1110/SPC/120001374-02

**Remark :**

**Note :** 1. @ Limit will be finalized post analysis of first ten lots for the specified vendor. 2. \*After first three lot, testing to be performed once every six months. 3. #Vendor declaration to be verified as per TLS Supplier qualification criteria SOP 4. Confirm vendor registration status with Unilever procurement team. 5. For Unilever registered vendor, full panel raw material analysis to be performed for first two lots received at Tirupati group considering 1 lot analysis performed at Tirupati innovation center. Thereafter a reduced testing program can be implemented for raw material analysis on a rotational basis as mentioned in testing frequency column. 6. For vendors new to Unilever system, full panel raw material analysis to be performed for first three lots received at Tirupati group

Signatories	Prepared By (QC)	Checked By (QC)	Approved By (QC)
Name	Sonit Kumar	Krishna deo singh	Phool Keshar
Designation	OFFICER	EXECUTIVE	DY. MANAGER
Date	26/12/2024	26/12/2024	26/12/2024

**Tirupati Lifesciences**

Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India

**QUALITY CONTROL DEPARTMENT**

Name of Material : 860013 TD0594 LEMON DURAROME FLAVOR

Batch No. : 1007288397

AR No.

: 1110PRM2403725

S.No.	Test	Specifications	Results	Test Method
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considering 1 lot analysis performed at Tirupati innovation center. Thereafter reduced testing program can be implemented for raw material analysis on a rotational basis as per mentioned in testing frequency column.

\*\*\*\*\* End of Report \*\*\*\*\*

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Name	Sonit Kumar	Krishna deo singh	Phool Keshar
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