



MAPLEWOOD Co.
7075 E Maplewood Pl
Centennial, Co 80111

(S-ACETYL) – L – GLUTATHIONE
CERTIFICATE OF ANALYSIS

Batch Number:	Manufacturing date:	Retest date:
0002002965	JANUARY 2021	JAN. 2024
TESTS	SPECIFICATIONS	RESULTS
Appearance	White or almost white crystalline powder	Complies
Identification:		
- Infrared	Positive	Positive
Related impurities (HPLC)		
- L-glutathione	≤ 1.5%	1,1%
- L-glutathione oxidized	≤ 1.5%	0.6%
- Cysteine	≤ 0.5%	NOT DETERMINED
- Any other impurity	≤ 0.2%	0.2%
- Total impurities	≤ 2.5%	2.0%
Impurities:		
- Acetic acid	≤ 0.5%	COMPLIES
Assay (HPLC)	97.0% to 102.0% d.b.	98.5%
Lead	≤ 0.5 ppm	< 0.05 ppm
Cadmium	≤ 0.5 ppm	< 0.2 ppm
Mercury	≤ 0.1 ppm	< 0.03 ppm
Arsenic	≤ 1.5 ppm	< 0.05 ppm
Sulphated Ash	≤ 0.1%	0.03%
Loss on drying	≤ 1.0 %	0.7%
Residual Solvents (GC):		
- Acetone	≤ 0.1%	0.1%
Bulk density	0.2 – 0.4 g/ml	0.2 g/ml
Particle size	≥ 95% < 1000 um	99.6%
Microbiological purity:		
- Total viable aerobic count	≤ 10 ³ CFU/g	< 10 CFU/g
- Total combined yeasts and molds	≤ 10 ² CFU/g	< 10 CFU/g
- E. Coli	Absent/10g	Absent/10g

Date:

9/2/24

Signature: