

Certificate of Analysis

Product Name:	Glutathione Reduced	Manufacture Date:	Feb.23, 2021
Batch Number:	KN0210223	Analysis Date:	Feb.23, 2021
Batch Quantity:	1320Kg	Expiration Date	Feb.22, 2023

Test	Specifications	Result
Assay by HPLC:	98.0%~101.0%	99.27%
Appearance:	Almost white or yellow powder	Complies
Solubility:	Freely soluble in water, very slightly soluble in ethanol (96 per cent) and in methylene chloride.	Complies
Specific optical rotation:	-15.5° to -17.5°	-16.0°
Mesh size:	100% pass 80mesh	Complies
Loss on drying :	≤0.5%	0.23%
Residue on ignition:	≤0.1%	0.04%
Sulphated ash:	≤0.1%	0.02%
Chlorides:	≤200 ppm	Complies
Ammonium:	≤200 ppm	Complies
Iron:	≤10 ppm	Complies
Heavy metals :	≤10ppm	Complies
Microbiology:		
Total Plate Count:	<1000cfu/g	301cfu/g
Yeast & Mold:	<100cfu/g	40 cfu/g
E.Coli:	Negative	Complies
S. Aureus:	Negative	Complies
Salmonella:	Negative	Complies
Conclusion:	Conform with specification, JP XV	



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