



Report of Analysis

Product name :	RU58841	CAS registry No:	154992-24-2
Batch No.:	20180327	Quantity :	15KG
Manufacture date :	27 Mar.2018	Retest date:	26 Mar.2019

Shelf life :2 years when properly stored.

Storage: store in a cool dry place in well closed/sealed containers. Protect from light.

Item	Specification	Result
Specific rotation	+39.5 to +41.5°	Complies
State of solution(transmittance)	Clear 98.0% min.	Complies
Chloride[cl]	0.020% max.	Complies
Ammonium [NH4]	0.02% max.	Complies
Sulfate[SO4]	0.020% max	Complies
Iron[Fe]	10ppm max.	0.1ppm
Heavy metals [Pb]	10ppm max	0.02ppm
Arsenic[As2O3]	1ppm max	0.03ppm
Other amino acids	Chromatographically not detectable	Complies
Residue on ignition[sulfated]	0.10% max.	0.002%
Assay	99.0% min	99.5

This Product meets current European Pharmacopeia Requirements.

Additional Tests carried out in Addition to European Pharmacopeia requirements

Test	Specification	Results
Heavy metals –by atomic absorption		
1)Total heavy metals	≤10ppm	0.12ppm
2) Arsenic (As)	≤0.5ppm	0.01ppm
3) Cadmium (Cd)	≤1ppm	0.03ppm
4) Lead (Pb)	≤2ppm	0.05ppm
5) Mercury (hg)	≤0.5ppm	0.03ppm
Microbiological Tests		
1)Total Plate count	≤100cfu/g	0.1cfu/g
2) Total Yeast and Mould	≤10cfu/g	0.1cfu/g
3) E. Coli in 10g	Absent	Complies
4) Salmonella in 10g	Absent	Complies
5) Staphylococcus in 10g	Absent	Complies
Other Impurities-using Gas Chromatography		
1)Sulphates	≤0.05ppm	0.001ppm
2) Organic Phosphates	≤0.05ppm	0.001ppm
3) Organic residues	≤0.05ppm	0.001ppm
4) DDT Pesticide residue-by GC	≤0.05ppm	0.001ppm
5) BHC Pesticide Residue-by GC	≤0.05ppm	0.001ppm

Conclusion:This product conforms to the enterprise standard .