

## COA

Item	Specification	Result
<b>Assay</b>	97.5%-102.0 %	99.14%
Appearance	White to almost White crystalline powder	Conforms
<b>Analytical Quality</b>		
Identification		Identical
IR	Match with the reference IR Spectrum	Conforms
Specific Rotation	+89.0°~+93.0°	+91.2°
Retention Time	Should be similar to that of the reference solution	Conforms
<b>Loss on Drying</b>	≤0.4%	0.16%
<b>Residual solvents</b>		
Benzene	≤2ppm	Conforms
Toluene	≤100ppm	Conforms
DMSO	≤5000ppm	Conforms
<b>Related Substances</b>		
Any impurity(HPLC)	≤1.0%	0.28%
Total impurities(HPLC)	≤2.0%	0.37%
<b>Microbiological Tests</b>		
Total Plate Count	≤1000cfu/g	Conforms
Yeast & Mold	≤100cfu/g	Conforms
E.Coli	Negative in 1g	Negative
Salmonella	Negative in 1g	Negative
Staphylococcus aureus	Negative in 1g	Negative
Pseudomonas aeruginosa	Negative in 1g	Negative
Enterobacteria	Negative in 1g	Negative
<b>Conclusion</b>	Conform with specification	