

## CERTIFICATE OF ANALYSIS

Product Name	3-O-Ethyl-L-ascorbic acid	CAS No.	86404-04-8
Batch No.	20200105	Mfg. Date	2020/01/17
Report Date	2020/01/22	Exp. Date	2022/01/16
Quality Standard	Enterprise Standard		
TEST	SPECIFICATIONS		RESULTS
Appearance	White or off-white crystalline powder		White crystalline powder
Melting point	110-116°C		111-112°C
Solubility	Soluble in Water and Ethanol, almost insoluble in Hexyl hydride		Conforms
Identification	IR identification		Conforms
pH 值	3.0-5.5		4.23
Clarity and Color of Solution	Clear colorless		Conforms
Related substances	≤1.0%		0.06%
Max unknown single impurity	≤0.2%		0.023%
Loss on drying	≤0.5%		0.17%
Residue on ignition	≤0.1%		0.06%
Heavy metal	≤10ppm		Conforms
Assay(HPLC)	≥99.0%		99.68%
Conclusion	The results conform to the Enterprise standard		
Analyst	Lee	Verifier	Andrew

合格

