

Certificate of Analysis

Results of Analysis:

Items	Standards	Results
Appearance	White or almost white, crystalline powder or colourless crystals.	Qualified
Identification	Positive Reaction	Qualified
Assay($C_6H_8O_6$)	99.0%~100.5%	99.9%
Specific optical rotation	+20.5°~+21.5°	+20.74°
pH(with 2% water solution)	2.4~2.8	2.6
pH(with 5% water solution)	2.1~2.6	2.4
Clarity of solution	Clear	Clear
Colour of solution	$\leq BY_7$	$< BY_7$
Residue on ignition**	$\leq 0.1\%$	$< 0.1\%$
Melting point	190~192°C	190.8-191.7°C
Heavy metal**	≤ 10.0 mg/kg	Conform
Iron**	≤ 2.0 mg/kg	Conform
Copper**	≤ 5.0 mg/kg	Conform
Lead**	≤ 0.5 mg/kg	Conform
Arsenic**	≤ 1.0 mg/kg	Conform
Mercury**	≤ 0.1 mg/kg	Conform
Cadmium(Cd)**	≤ 0.5 mg/kg	Conform
Impurity E*	$\leq 0.20\%$	Conform
Impurities C, D*	$\leq 0.15\%$	Conform
Unspecified impurities (each impurity)*	$\leq 0.10\%$	Conform
Sum of impurities other than C and D*	$\leq 0.20\%$	Conform
Residual Solvents(as methanol)*	≤ 200 mg/kg	Conform
Loss of Drying*	$\leq 0.4\%$	Conform
Total Plate Counts*	≤ 1000 cfu/g	Conform
Yeasts and Moulds*	≤ 100 cfu/g	Conform
Escherichia coli*	Negative in 10g	Conform
Salmonella*	Negative in 25g	Conform
Staphylococcus Aureus*	Negative in 25g	Conform