



CERTIFICATE OF ANALYSIS

MESNA

TEST	SPECIFICATION	RESULT
Description	White to slightly yellow crystalline powder, Hygroscopic	Conforms
Solubility	Freely soluble in water, slightly soluble in Alcohol, Practically insoluble in Cyclohexane	Conforms
Identification	A.IR meet the requirements B.Gives reaction of sodium	Conforms Conforms
Appearance of solution	Solutions S: not more opalescent than reference suspension	Conforms
	Solution S: not more intensely coloured than reference solution Y7	Conforms
PH	4.5~6.0	4.6
Related substances		
Impurity C:	NMT 0.2%	not detected
Impurity D	NMT 3.0%	1.4%
Impurities B	NMT 0.3%	Conforms
Impurities A	NMT 0.3%	Conforms
Impurities E	NMT 0.3%	0.01%
Any other impurity	NMT 0.1%	0.04%
Total of other impurity	NMT 0.3%	0.1%
Chlorides	NMT 250ppm	<250ppm
Sulphates	NMT 300ppm	<300ppm
Disodium edetate	NMT 500ppm	<500ppm
Heavy Metals	NMT 10ppm	<10ppm
Loss On Drying	NMT 1.0%	0.5%
Assay	96.0%~102.0%	99.2%