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CERTIFICATE OF ANALYSIS

Product Name:	EDTA-4NA	Quantity	18000kg
Rep Date	July28, 2016	Batch No.	201610728
Mfg. Date	July 28, 2016	Expiry Date	July 27, 2018

Items	Requirements	Results
Appearance	White to off-white powder	Off-white powder
Related Substances	Single: $\leq 0.3\%$ Total: $\leq 0.4\%$	0.10% 0.70%
Melting Point	152~158°C	153.7~156.4°C
IR	Infrared absorption spectrum is concordant with Rasagiline mesylate	Conforms
Residual solvents	Methanol n.m.t.3000ppm Isopropanol n.m.t.5000ppm acetonitrile n.m.t.410ppm	Conforms
Specific rotation	+18~+22°(in H ₂ O)	+21.2°
Sulphate	$\leq 0.05\%$	0.02%
Solubility	Freely soluble in Methanol and in water. Very slightly soluble in Acetone and in isopropanol. Practically insoluble in aether.	Conforms
Optics isomer	$\leq 0.5\%$	0.41%
Heavy metals	$\leq 0.002\%$	Conforms
Loss on drying	$\leq 1.0\%$	0.60%
Purity(HPLC)	$\geq 99.0\%$ (on dry basis, HPLC)	99.30%
Conclusion: Complies with Enterprise Standard.		

