

CERTIFICATE OF ANALYSIS

Vorapaxar Sulfate

Batch No.: DR20150813	Piece: 3kg
Manufacture Date: 2015.08.13	Expiry Date: 2016.08.12

TESTS:

Items	Specification	Results
Appearance	White or white powder	Conforms
Identification	Conforms	Conforms
Loss on drying	≤1.0%	0.3%
Heavy metals	Pd ≤10ppm	1ppm
Largest impurities	≤0.2%	0.14%
Total impurities	≤0.5%	0.26%
Isomer	≤0.1%	0.06%
Residual solvent	Acetonitrile ≤0.041%	0.020%
	Tetrahydrofuran ≤0.072%	0.012%
	Ethyl acetate ≤0.5%	0.1%
	Propanol ≤0.5%	0.2%
Purity	97.0%-103.0%	99.2%

Conclusion: The results conform with the in-house standard.



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