



Specialized in chemicals

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Certificate of Analysis

Product Name: L-tryptophan	Quantity:500kgs	Batch No:TNJ2015090414
Producing date: 2015.04.13	Sampling date: 2015.04.13	Send out date: 2015.04.14
Reference standard: USP24	Package: 25kg/drum	Expiry date: 2017.04.12
Item	Specifications	Results
Appearance	White crystals or crystalline powder	Conforms
Assay ,% min	98.5~101.5	99.4
Ph value	5.5-7.0	5.6
Specific rotation	-29.4° ~ -32.8°	-32.4°
Loss on drying,% max	0.3	0.17
Residue on ignition,% max	0.10	0.06
Chloride (as Cl),% max	0.05	<0.02
Sulphate(as SO ₄),% max	0.03	<0.02
Iron (as Fe) , % max	0.003	<0.003
Heavy metals (as Pb),% max	0.0015	<0.001
Conclusion: This product conforms to requirements of USP24grade standard.		



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