



HANGZHOU THINK CHEMICAL CO., LTD.

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CERTIFICATE OF ANALYSIS

Product: D-Biotin[CAS:58-85-5]
Batch No: 20120202
Manufacturing Date: Feb., 2012
Expiry Date: Feb., 2015
Quantity: 50 Kgs

Items	Specifications	Results
Appearance:	white or off-white crystalline powder	Complies
Identification:	Infrared Absorption	Complies
Specific rotation:	+89 ⁰ ~+93 ⁰	+91.1 ⁰
Organic volatile impurity:	Meet USP standard	Complies
Chloroform:	60ppm max.	15ppm
Toluene:	890ppm max.	Undetected
Asay(Titration,0.1N NaOH):	98.5~100.5%	99.9%
Loss on drying:	0.5%max.	0.1%
Heavy metals:	10ppm max.	<10ppm

Conclusion:It Complies with USP40 .

QC manager:

Checked by:

Analyst: