
COMPOUNDMAX SHANGHAI

Certificate of Analysis

Invoice No.:2007NHU0036

Date:Jan.14,2007

Product : Biotin
Batch NO. : 20070143C
Quantity : 25 KGS
Manufacture Date : Jan.,2007
Analysis Date : Jan.,2007
Expiry Date : Jan.,2010

Result of Analysis:

Test Items	Standards	Results
Appearance	A White or off-white crystalline powder	Conform
Content of related substance	Any impurity $\leq 0.5\%$	$< 0.25\%$
	At most one impurity $\geq 0.25\%$	Conform
Identification	IR: Comparison: biotin CRS	Conform
Clear and colour	0.01g/ml solution (in 4g/l NaOH) is clear and colourless	Conform
Arsenic	$\leq 2\text{ppm}$	Conform
Lead	$\leq 3\text{ppm}$	Conform
Mercury	$\leq 0.1\text{ppm}$	Conform
Cadmium	$\leq 1\text{ppm}$	Conform
Sulphated ash	$\leq 0.1\%$	0.1%
Specific Optical Rotation	$+89.0^\circ \sim +93.0^\circ$	$+90.2^\circ$
Organic volatile impurity	$\leq 60\text{ppm}$	Conform
Assay(Titration,0.1N NaOH)	98.5%~100.5%	100.2%
Loss on Drying	$\leq 0.5\%$	0.1%

Conclusion: Conforms to EP6

Inspector:

Approved: