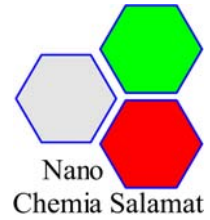


# نانو کیمیا سلامت

شرکت شیمی داروئی با مسئولیت محدود



## Certificate of Analysis

Product Name:	D-Biotin		
CAS NO:	58-85-5		
Batch Number	-		
Manufacture Date:	-	Test Date:	-
Test Standard:	<b>USP38</b>	Expiry Date:	-
<b>Test Items</b>	<b>SPECIFICATIONS</b>	<b>RESULTS</b>	
Appearance	White crystalline powder	Conforms	
Identification	Should meet the requirements	Qualified	
Assay(HPLC)	$\geq 99.0\%$	99.60%	
Loss on drying	$\leq 0.2\%$	0.08%	
Specific rotation	$+89.0^\circ - +93.0^\circ$	$+90.7^\circ$	
Melting range ( $^\circ\text{C}$ )	$229^\circ\text{C} - 232^\circ\text{C}$	$229.8^\circ\text{C} - 231.4^\circ\text{C}$	
Ash	$\leq 0.1\%$	0.07%	
Solution color and clarity	Solution clarity and the samples should be light color standard	Qualified	
Heavy metals (Pb)	$\leq 10 \text{ mg/kg}$	$< 10 \text{ mg/kg}$	
Lead (Pb)	$\leq 2 \text{ mg/kg}$	$< 2 \text{ mg/kg}$	
Arsenic(As)	$\leq 1 \text{ mg/kg}$	$< 1 \text{ mg/kg}$	
Single impurities (HPLC)	$\leq 1.0\%$	0.6%	
Total impurities (HPLC)	$\leq 2.0\%$	0.6%	
Total number of colonies	$\leq 1000 \text{ cfu/g}$	$< 1000 \text{ cfu/g}$	
Mold and yeast	$\leq 100 \text{ cfu/g}$	$< 100 \text{ cfu/g}$	
Bacteria	Not be detected(25g)	Not detected	
Salmonella	Not be detected(25g)	Not detected	