



Certificate of analysis

Product name: Lenalidomide

Cas number: 191732-72-6

Molecular Formula: C₁₃H₁₃N₃O₃

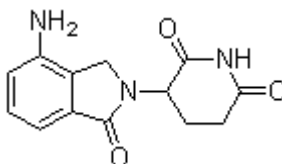
Molecular Weight: 259.26

Date of production: Mar. 06, 2017

Batch No: 20170306

Exp Date: Mar. 05, 2016

Chemical structure:



Items	Specifications	Results
Appearance	Off-white to pale yellow powder	Conforms
Identification	NMR HPLC	Conforms
Water content	≤ 4.0%	2.1%
Residue on ignition	≤ 0.5%	0.32%
Melting point	269°C ~ 271°C	269.8°C ~ 270°C
Residual Solvents	Methanol ≤ 3000ppm Acetonitrile ≤ 410ppm Carbon tetrachloride ≤ 4ppm Tetrahydrofuran ≤ 720ppm Dimethylformamide ≤ 550ppm	1400ppm N.D N.D 250ppm 320ppm
Heavy metal	≤ 20ppm	Conforms
Loss on drying	≤ 0.5%	0.3%
Impurities	Single impurity ≤ 0.2%	0.12%
	Total impurities ≤ 1.0%	0.2%
Assay (HPLC)	≥ 99.0%	99.8%

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F

