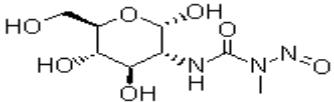




## CERTIFICATE OF ANALYSIS

NO: DYC081410231

Product name	Streptozocin
CAS Number	18883-66-4
Molecule Structure	
Molecule Formula	C <sub>8</sub> H <sub>15</sub> N <sub>3</sub> O <sub>7</sub>
Batch number	20140514
Manuf. Date&Exp. Date	2014-05-14, 2016-05-13
Testing date	2014-05-14

Items	Standard	Result
Appearance	Pale yellow crystalline powder	Complies
Assay, HPLC	98.5-101.5%	99.5%
Solubility	Soluble in water	Complies
Identification	UV: the UV absorption of 0.001% solution in water exhibits a max at about 228nm	Complies
	IR:IR Spectrum in potassium bromide dispersion of sample should be concordant with that of working standard spectrum	Complies
	HPLC: Retention time of the sample should be concordant to the retention time of working standard.	Complies
	Element analysis:Carbon, Nitrogen, Hydrogen	Complies
Melting point	121°C	121°C
Specific optical rotation	+39°	+39°
Isomer	75%min	86%
Residue on ignition	0.1% max	0.02%
Heavy metals	20ppm max	Complies
Water	1.0% max	0.16%
Related substances	Single impurity: 0.5% max	0.2%
	Total impurity: 1.0% max	0.5%

Hangzhou Dingyan Chem Co., Ltd.  
Quality Control  
QUALITY CONTROL:  CHECK: 姚仙娟 INSPECTOR: 刘清风