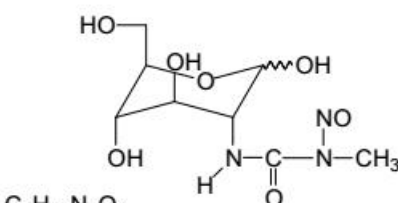


## CERTIFICATE OF ANALYSIS

### Streptozotocin

<b>Batch No.:</b> 170801	<b>Quantity:</b> 1700g
<b>Manufacture Date:</b> 2017.08.25	<b>Retest Date:</b> 2019.08.24
 <chem>C8H15N3O7</chem>	

**TESTS:**

Items	Specification	Results
Description	Pale yellow crystalline powder	Pale yellow crystalline powder
Solubility	Soluble in water	Conforms
Identification	The UV absorption of 0.001% solution in water exhibits a maximum at about 228nm IR Spectrum in potassium bromide dispersion of sample should be concordant with that of working standard spectrum Retention time of the sample should be concordant to the retention time of working standard Carbon, Nitrogen, Hydrogen	Conforms
--UV Absorption		Conforms
-IR Spectrum		Conforms
- HPLC		Conforms
Element Analysis	Carbon, Nitrogen, Hydrogen	Conforms
Melting Point	121°C(DEC).	121°C(DEC)
$[\alpha]_D^{20}(c=1, H_2O)$	+39°	+39°
$\alpha$ Isomer%	≥75%	96.4%
Residue On Ignition	≤ 0.1%	0.03%
Heavy Metals	≤ 20ppm	<20ppm
Water	≤ 1.0%	0.3%
Related Substances	≤ 0.5%	
Single Impurity	≤ 1.0%	0.18%
Total Impurity		0.19%
Assay (BY HPLC)	98.5%-101.5%	99.8%
<b>Conclusion: The results conform with the standard.</b>		



Analyst: Joe Yu      Checker: Agnes Zhong      QA.Manager: Sun Wenhui