

Certificate of Analysis

Product Information			
Product Name	1, 3, 7, 9-Tetramethyluric acid (Theacrine)	CAS NO.	2309-49-1
Batch Number	TAL210125	Batch Quantity	200KG
Manufacture Date	2021.01.25	Expiry Date	2023.01.24
Formula	C9H12N4O3	Molecular Weight	224.09
Test items	Specifications	Result	
Physical & Chemical Data			
Appearance	White to off white crystalline powder	Conforms	
Identification (H-NMR,LC-MC)	Conforms to Standard	Conforms	
Purity (HPLC)	NLT 98%	99.98%	
Melting Point	227-232°C	228.9-229.7°C	
Loss on Drying	NMT 1%	0.10%	
Heavy Metals	NMT10ppm	Complies	
Residue on Ignition	NMT 0.5%	0.06%	
NMR Spectrum	In accordance with the standard	Conforms	
Mass Spectrum	In accordance with the standard	Conforms	
Total Aerobic Count	< 10000cfu/g	120cfu/g	
Yeast & Moulds	<100cfu/g	10cfu/g	
E-Coli	Negative	Conforms	
Salmonella	Negative	Conforms	

**Conclusion:**

Conform to the standard

Storage & Packing

Shelf Life: 2 years when properly stored.

Storage: Store in cool & dry place,keep away from strong light and heat.

Tested by: 张丽娜

Checker: 李明

Approved:

