

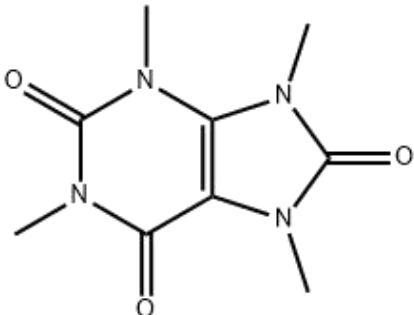


Wuhan HengHeDa Pharm Co., Ltd

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Wuhan Economic& Technological Development Zone, Wuhan, China

CERTIFICATE OF ANALYSIS

Product name	Theacrine	
CAS NO	2309-49-1	
Molecular formula	C ₉ H ₁₂ N ₄ O ₃	
Molecular weight	224.22	
Quantity	5KG	
Batch NO	HHD20220507	
Production date	2022.05.07	
Expiry Date	2024.05.06	
Test based on enterprise standard		
Test Item	Specification	Result
Appearance	White to off white crystalline powder	Conforms
Identification	HNMR	Conforms
Purity (HPLC)	≥98%	99.3%
Related substance	isolate impurity<0.2%,total impurities<1.0%	Conforms
Heavy metal	<hundred extremely ten	Conforms
Melting Point	227-232℃	230.3-230.8℃
Loss on Drying	≤1%	0.50%
Residue on ignition	≤0.5%	0.15%

Total Plate Count	$\leq 1000\text{cfu/g}$	$\leq 10\text{cfu/g}$
Total Yeast&Mold	$\leq 100\text{cfu/g}$	$\leq 10\text{cfu/g}$
Staphylococcus aureus	Negative	Negative
Bulk Density	$\geq 0.55\text{g/ml}$	0.60g/ml

Storage	Store in cool & dry place, keep away from strong light and heat.
Shelf life	2 years when properly stored.
Conclusion: This product complies with above specification.	

Inspector

Shen Wu

Director

King Yang

