



Certificate of Analysis

Product Name:	Theacrine	Batch Number:	Varies
CAS No.	2309-49-1	Manufacture Date:	Varies
Molecular Formula:	C₉H₁₂N₄O₃	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Purity (HPLC)		≥ 99%	99.8 - 99.91%
Physical	Appearance	White or off white crystalline powder	Complies
	Melting point	227 - 232°C	228 ~ 231.1°C
	Loss on ignition	≤ 1%	0.1 - 0.3%
	Ash content	≤ 0.5%	0.1%
	Residue on ignition	≤ 0.5%	0.09 - 0.1%
	Related substance	Isolate impurity < 0.2% Total impurities < 1.0%	Complies
Chemical	Heavy metals	≤ 10 ppm	Complies
Microbial	Total plate count	≤ 10000 cfu/g	Complies
	Yeast and molds	≤ 100 cfu/g	Complies
	E. coli, Salmonella	Negative	Complies

Else	Storage condition	Sealed, kept in shady and dry place
	Shelf life	Two years

