

SINCESS**Qingdao Sincness International Co., Ltd**

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Certificate of Analysis

Product name	Adrafinil	Country of origin	China
CAS#	63547-13-7	Molecular Weight	289.35
Molecular formular	C ₁₅ H ₁₅ NO ₃ S	Batch no.	160328
Manu Date	Mar.28, 2016	Expiry Date	Mar.27, 2018
Analysis Contents	Specification	Analysis Result	Test Method
Assay(% on dried basis)	NLT99.0%	99.53%	HPLC
Physical control			
Appearance	Fine powder	Complies	Visual
Color	Light reddish to white	Complies	Visual
State of solution	Colorless and clear	Complies	Visual
Identification	Positive	Positive	IR&1H NMR
Loss on drying	0.5% Max	0.21%	USP
Melting point	148-150	149-149.3	USP
Residue on ignition	0.1% Max	0.03%	USP
Chemical control			
Heavy metals(as Pb)	NMT 20ppm	Complies	USP
Related substances	Total impurities: 0.5% Max	0.30%	HPLC
	Single impurities:0.5% Max	0.16%	HPLC
	Unknow impurities:0.1% Max	0.05%	HPLC
Packing	Packed in aluminum foil		
Storage	Store in a well-closed container away from moisture and direct sunlight		
Shelf life	3 years if sealed and stored properly		

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