



Unilong Industry Co., Ltd

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Product Name:	Photoinitiator 160	Batch No.	JL20190801
Cas	71868-15-0	MF Date	Aug. 21, 2019
Packing	25kg	Analysis Date	Aug. 21, 2019
Quantity	1MT	Expiry Date	Aug. 20, 2022
Item	Standard		
Identification	A.H-NMR:Comply with the structure		
	B.LC-MS:Comply with the structure		
	C.The IR spectrum of sample should be identical with that of reference standard.		
	D.HPLC-ESI-MS The retention time of the major peak in the chromatogram of the Assay preparation corresponds to that in the chromatogram of the Standard preparation, as obtained in the Assay.		
Loss on drying	$\leq 2.0\%$		
Heavy metals	≤ 10 ppm		
Water	$\leq 1.0\%$		
Sulphated ash	$\leq 0.5\%$ determined on 1.0 g.		
Residue on ignition	$\leq 0.1\%$		
Related Substances	Unspecified impurities: for each impurity $\leq 0.10\%$		
	Total Impurity $\leq 0.5\%$		
Purity	$\geq 99.0\%$		
Assay	99.0%~101.0% (anhydrous substance).		
Storage	Preserve in well-closed, light-resistant and airtight containers.		

CERTIFICATE OF ANALYSIS

Analyst: Wen Qian

Quality Assurance Officer: Zhan Peng