



Unilong Industry Co., Ltd

Add: No.2000 Shunhua Rd, High-Tech Zone, Jinan City, Shandong Province, China

Contact: +86-15668417750

Website: www.unilongmaterial.com

Product Name:	Irgacure 651	Batch No	JL20230311
CAS	24650-42-8	MF Date	MAR.11,2023
Package	200KG/bag	Analysis Date	MAR.11,2023
Quantity	2500KG	Expiry Date	MAR.11,2025
Item	Standard	Result	
Appearance	White crystal	White crystal	
Purity	$\geq 99.50\%$	99.97%	
Initial melting point	$\geq 64.0^{\circ}\text{C}$	64.6 $^{\circ}\text{C}$	
Final melting point	$\geq 64.0^{\circ}\text{C}$	66.1 $^{\circ}\text{C}$	
Loss On Drying	$\leq 0.50\%$	0.07%	
Water Content	$\leq 0.50\%$	0.03%	
Resi due	$\leq 0.1\%$	0.030%	
Penetration rate(425nm)	$\geq 95.00\%$	98.00%	
Penetration rate(500nm)	$\geq 98.00\%$	99.80%	
Conclusion	Qualified		

CERTIFICATE OF ANALYSIS

Analyst: Wen Qian

Quality Assurance Officer: Zhan Peng