



CERTIFICATE OF ANALYSIS

Product Name	Camphorsulfonic acid	Batch No.	JL20251015
CAS	3144-16-9	MF Date	OCT.15,2025
Packing	25kg/drum	Analysis Date	OCT.15,2025
Quantity	3000kg	Expiry Date	OCT.14,2027
ITEM	STANDARD		RESULT
Appearance	White to off white crystalline powder		Off white crystalline powder
Assay(Titration)	$\geq 99.0\%$		99.9%
Specific Rotation (20% in H2O)	$+21.0^{\circ}$ - $+23.0^{\circ}$ ([α]D20,C=20% _{m/v} ,H2O)		$+22.8^{\circ}$
Melting Point	193.0°C-202.0°C		196.5°C-197.6°C
Loss On Drying	$\leq 1.00\%$ (w/w) (105°C 2hrs)		0.24%
Water Content	$\leq 0.80\%$		0.16%
Sulphate	$\leq 0.20\%$		<0.20%
Iron Ion	$\leq 10\text{ppm}$		<10ppm
Conclusion	Qualified		

Analyst: Wen Qian

Quality Assurance Officer: Zhan Peng

