



Unilong Industry Co., Ltd

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CERTIFICATE OF ANALYSIS

Product Name:	gamma-Valerolactone	Batch No.	JL20211025
CAS	108-29-2	MF Date	OCT.25,2021
Packing	25kg/drum	Analysis Date	OCT.25,2021
Quantity	5MT	Expiry Date	OCT.24,2023
Item	Standard	Result	
Appearance	colourless liquid	colourless liquid	
Odour	Coconut and vanillin aromas, warm and sweet herbal flavor	Coconut and vanillin aromas, warm and sweet herbal flavor	
Content (by GC)	≥95.0%	99.97%	
Acid value (mgKOH/g)	-	0.25	
Refractive Index (n_D^{20})	-	1.4330	
Specific gravity (D_{25}^{25})	-	1.0516	
Conclusion	Qualified		

Analyst: Wen Qian

Quality Assurance Officer: Zhan Peng