



# Unilong Industry Co., Ltd

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## CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	Amines, C12-14-alkyldimethyl	<b>Batch No.</b>	JL20230603
<b>Cas</b>	84649-84-3	<b>MF Date</b>	Jun .03,2023
<b>Packing</b>	160KG/Barrel	<b>Analysis Date</b>	Jun .03,2023
<b>Quantity</b>	16T	<b>Expiry Date</b>	Jun .02 ,2024
<b>Item</b>	<b>Standard</b>	<b>Result</b>	
<b>appearance</b>	clear and colourless liquid.	Conforms	
<b>Tertiary amine(%)</b>	97.0min	97.7	
<b>Tertiary amine Valuemg(KOHg)</b>	240.0-260.0	252.3	
<b>Free alcohol(%)</b>	≤0.8	0.36	
<b>Primary&amp;secondary amines %</b>	≤0.7	0.66	
<b>Colour(APHA)</b>	≤30	7.21	
<b>Main component%</b>	C10 ≤1.5	0.12	
	C12 68-76	72.89	
	C14 22-32	24.33	
	C12+C14 ≥95	97.22	
	C16 ≤2.0	0.36	
<b>Conclusion</b>	Qualified		

**Analyst:** Wen Qian

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