



Unilong Industry Co., Ltd

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CERTIFICATE OF ANALYSIS

Product Name:	MONOBEHENIN	Batch No.	JL20221025
CAS	30233-64-8	MF Date	OCT.25,2022
Packing	20kg/bag	Analysis Date	OCT.25,2022
Quantity	5MT	Expiry Date	OCT.24,2023
Item	Standard	Result	
Appearance	Hard, waxy mass, or powder or white or almost white, unctuous flakes.	Almost white powder	
Acid value	≤ 4.0	2.7	
Iodine Value	≤ 3.0	0.61	
Saponification Value	145 to 165	148	
Free glycerol	≤ 1.0 %	0.78 %	
Water	≤ 1.0 %	0.12 %	
Total ash	≤ 0.1 %	0.03 %	
Identification	A.Melting point:65~77°C	72 ~73 °C	
	B. Composition of fatty acids (see Tests)	Consistent with the regulations	
	C. It complies with the assay (content of diacylglycerols)	Consistent with the regulations	
Composition of fatty acids	Palmitic acid: ≤3.0 %	0.094 %	
	Stearic acid: ≤5.0 %	0.19 %	
	Arachidic acid: ≤10.0 %	1.45 %	
	Behenic acid: ≥83.0 %	94.3 %	
	Erucic acid: ≤3.0 %	Undetected	
Assay	Lignoceric acid: ≤3.0 %	1.9 %	
	Monoglycerides: 15.0 % to 23.0 %	16.9 %	
	Diglycerides: 40.0 % to 60.0 %	50.4 %	
	Triglycerides: 21.0 % to 35.0 5 %	29.6 %	
Conclusion	Qualified		

Analyst: Wen Qian

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