



**Analytical Laboratory of Oleochemicals and Specialty Fats**  
 Jl. Oleo, Kawasan Industri Medan II Saentis  
 Percut Sei Tuan, Deli Serdang - Medan 20371 - Indonesia  
 Tel: (62) 61 687 1123, Fax: (62) 61 687 1152 - 61 687 1153  
 Email: oleo@musimmas.com

**PT Musim Mas**

Head Office: Jl. K.L. Yos Sudarso Km 7,8 Tanjung Mulia - Medan 20241 - Sumatera Utara - Indonesia  
 Tel: (62) 61 661 5511 - 61 661 9866, Fax: (62) 61 661 3060 - 61 661 7386

**CERTIFICATE OF ANALYSIS**

**SC/22/ALC/0829(1)+  
 SC/22/ALC/0829(2)**

DESCRIPTION OF GOODS : PRODUCT NAME : MASCOL 12/99 LAURYL ALCOHOL  
 PACKING : STANDARD MUSIM MAS 170KG NEW STEEL  
 DRUMS, LOOSE STUFFED

LOT NO. : 000012IMD1C1L

TEST	METHOD	RESULTS	SPECIFICATION
<b><u>Homolog Distribution (wt%):</u></b>			
C10 & lower	GC	0.1	1 max
C12		99.8	99 min
C14 & higher		0.1	1 max
<b><u>Chemicals Property</u></b>			
Acid Value, mg KOH/g	AOCS Te 2a-64	0.01	0.1 max
Saponification Value, mg KOH/g	AOCS TI 1a-64	0.2	0.5 max
Iodine Value, g I <sub>2</sub> /100 g	AOCS Tg 1-64	0.01	0.1 max
Hydroxyl Value, mg KOH/g	Derived from chain distribution	301	298 - 302
Hydrocarbon*, wt%	GC	0.15	0.5 max
Moisture, wt%	AOCS Ca 2e-84	0.02	0.1 max
<b><u>Physical Property</u></b>			
Color (APHA)	AOCS Ea 9-65	3	10 max
Solidification Point, °C	AOCS Cc 12-59	23.4	22 - 24

Note : \* = not accredited under ISO/IEC 17025



ENG BUNG KIANG  
 QA MANAGER  
 PT. MUSIM MAS  
 (AS MANUFACTURER)