



Todo Droga
Quimica Mayorista

CERTIFICATE OF ANALYSIS

CUSTOMER NAME : JASMORE & CO.S.A
PRODUCT : PALMEROL 1899 STEARYL ALCOHOL PASTILE PAPER 25KG
DATE OF CERTIFICATE : 22-AUGUST-2017
OUR SALES ORDER : 2000054347-1
BATCH NUMBER/ LOT NUMBER : 1E0167G
QUANTITY : 6.000 MT
MANUFACTURING DATE/ PRODUCTION DATE : 05-JULY-2017
RECOMMENDED RETEST DATE/ EXPIRY DATE : 05-JULY-2019

We certify, that we have examined a sample of the above mentioned goods with the following results :

<u>Test Description</u>	<u>Unit</u>	<u>Reference Test Method</u>	<u>Min</u>	<u>Max</u>	<u>Result</u>
Appearance - White Pastilles. Clear when melted		Visual	Pass		Pass
Color APHA	HAZEN	ASTM D1209		10	4
Moisture	%	ASTM E203		0.10	0.02
Acid Value	mg KOH/g	AOCS Te 1a-64		0.10	0.02
Saponification Value	mg KOH/g	ASTM D5558		0.50	0.24
Iodine Value	g I ₂ /100g	AOCS Cd 1b-87/AOCS Tg 2a-64		0.3	0.0
Melting Point	°C	AOCS Cc 1-25	56.0	60.0	58.6
Hydroxyl Value	mg KOH/g	By Calculation	200	215	207
Hydrocarbon	%	GC, In-house method		0.50	0.08
≤C16 (1-Hexadecanol)	%	GC, In-house method		1.00	0.11
C18 (1-Octadecanol)	%	GC, In-house method	99.00		99.49
≥C20 (1-Eicosanol)	%	GC, In-house method		0.50	0.00