



VVF Singapore Pte Ltd

CERTIFICATE OF ANALYSIS

DATE : 01/12/2021
 INVOICE NO. : SIN/2021/2276
 COUNTRY OF ORIGIN : INDIA
 ACQUISITION AND PROVENIENCE : SINGAPORE
 SHIP : LOTUS A V.OPE2LW1MA
 SAILING ON/ABOUT : 08/12/2021
 FROM : NHAVA SHEVA, INDIA
 TO : BUENOS AIRES, ARGENTINA

CONTRACT NO. TO20390
 PO# 575/21

DESCRIPTION	NET WEIGHT KGS	GROSS WEIGHT KGS
2 x 40' FCL CONTAINER :		
54,000.00 KG CETO STEARYL ALCOHOL 30/70 VEGAROL 1618TA PASTILLES FORM NCM/HS CODE 3823.70 PACKING IN 25 KGS BAGS LOOSE STUFFED WOODEN PACKAGES NOT APPLICABLE	54,000.00	54,790.00
TOTAL: 2,160 BAGS		

ANALYSIS RESULTS	Specified Range CONTAINER #	Batch No. 21D76B0015 CMAU4311330	Batch No. 21E03D0181 CMAU4311330 CMAU7388166	Batch No. 21D77B0016 CMAU7388166
MANUFACTURING DATE:		NOV 2021	NOV 2021	NOV 2021
EXPIRY DATE:		NOV 2024	NOV 2024	NOV 2024
APPEARANCE (AT 25DEG C)	White Pastilles	White Pastilles	White Pastilles	White Pastilles
COLOUR (APHA)	10 Max	4	4	4
ACID VALUE, mg of KOH/gm	0.1 Max	0.019	0.018	0.018
SAPONIFICATION VALUE, mg of KOH/gm	1.0 Max	0.20	0.19	0.21
IODINE VALUE, mg of KOH/gm	0.5 Max	0.20	0.18	0.21
HYDROXYL VALUE, mg of KOH/gm	210 - 220	213.60	213.47	213.50
MOISTURE, % BY WT	0.3 Max	0.10	0.099	0.099
SOLIDIFICATION POINT DEG C	50 - 54	52.2	52.2	52.3
CARBON CHAIN DISTRIBUTION				
C14 ALCOHOL	3.0 Max	0.00	0.00	0.02
C16 ALCOHOL	22 - 32	31.91	31.96	31.79
C18 ALCOHOL	66 - 76	66.69	66.70	66.75
C20 ALCOHOL	3.0 Max	0.37	0.36	0.36
HYDROCARBONS	0.5 Max	0.30	0.35	0.35
CARBONYL VALUE, ppm	150.0 Max	7.68	8.63	7.89

WE HEREBY CERTIFY THAT THE ABOVE MENTIONED PRODUCT ANALYSIS IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.