



**CERTIFICATE OF ANALYSIS**

TO WHOM IT MAY CONCERN :

RE : 18 MT OF ELBE DF 100 PT-LB PRILLED FEED  
ADDITIVE PACKED IN 720 BAGS AT 25 KG  
NET PER PP WOVEN BAG

Contract-No. 11/EFG-VG/2013 dtd. 31.01.2013  
Invoice-No. AR1934079 dtd. 07.07.2019  
CUSTOMER CUSTOM TARIFF CODE: 1518009900

B/LADING NO. : EGLV091930322871  
BRAND : ELBE DF 100 PT-LB  
VESSEL : COSCO NETHERLANDS V.028W  
LOADPORT : PORT KLANG, MALAYSIA  
DESTINATION : ST PETERSBURG, RUSSIA  
PRODUCTION DATE : 29 JUNE 2019  
EXPIRY DATE : 29 JUNE 2020  
BATCH NUMBER : 2906-798

TEST	METHODS	SPECIFICATIONS	RESULTS
FREE FATTY ACID	AOCS Ca 5a-40	2.0% Max	0.78%
COLOUR (5 1/4" LOVIBOND CELL)	PORIM P4.1	DARK YELLOW	DARK YELLOW
SLIP MELTING POINT	AOCS Cc 3-25	55 C MIN	56.5°C
IODINE VALUE	AOCS Cd 1b-87	24 MAX	22.31
MOISTURE & IMPURITIES	AOCS Ca 2b-38	0.5% MAX	0.197%
PALMITIC ACID (C16:0)	GC ANALYSIS (FAME METHOD)	65% Min	74.1%
STEARIC ACID (C18:0)	GC ANALYSIS (FAME METHOD)	5.5% Max	4.5%
OLEIC ACID (C18:1)	GC ANALYSIS (FAME METHOD)	8% Min	11.5%
LINOLEIC ACID (C18:2)	GC ANALYSIS (FAME METHOD)	4% Min	5.9%
LECITHIN	-	10-12 %	10.00%

\*RESULTS BASED ON AT TIME OF SHIPMENT

For ECOLEX SDN. BHD.

AUTHORISED SIGNATURE