



ARCHER DANIELS MIDLAND COMPANY

ARCHER-DANIELS-MIDLAND COMPANY
4666 FARIES PARKWAY
DECATUR IL 62526-0000
MANUFACTURE LOC: DECATUR,IL

107748J61095620250616049000
IXCOA01: 1048J584746584746049000

CERTIFICATE OF ANALYSIS SAMPLE

EVO-100 USP-NF/FCC PROPYLENE GLYCOL (EXCIPIENT FOOD USE) (ADM PRODUCT CODE 049000)

THIS CERTIFICATE OF ANALYSIS IS VALID ONLY FOR THE SHIPMENT AS DESCRIBED IN THE SHIPMENT INFORMATION SHOWN BELOW.

SHIPTO:

SHIPMENT INFORMATION:

CONTAINER/LOT #: LOAD/MFG DATE: ADM ORDER #:
SHIP DATE: CORDNO:
CONTAINER CODE: DATE OF EXPIRY: WEIGHT/QUANTITY:

PRODUCT ANALYSIS:

TEST	RESULT	UNIT	LIMIT	REFERENCES
PROPYLENE GLYCOL	99.8	%	99.5% MIN	ADM
IDENTIFICATION A (IR)	PASS		MEETS TEST	USP<197F>
IDENTIFICATION B (GC)	PASS		0.10% MAX DEG & EG	USP<621>
IDENTIFICATION C (GC)	PASS		MEETS TEST	USP<621>
SPECIFIC GRAVITY @ 25/25	1.036		1.035 - 1.037	USP<841>
WATER	0.0	WT%	0.2% MAX	USP<921>
COLOR	6	PT-CO	10 PT-CO MAX	ADM
SULFATES	1	PPM	60 PPM MAX	ADM
CHLORIDES	0.5	PPM	1.0 PPM MAX	ADM
APPEARANCE	PASS		FREE OF SUSP SOLIDS	ADM
ODOR	PASS		ESSENTIALLY ODORLESS	ADM

PRODUCT GUARANTEES:

RESULTS BELOW ARE GUARANTEED AND TESTED PERIODICALLY.

- BIO-BASED CARBON	100% MIN
- ACIDITY	0.002% MAX AS ACETIC
- ARSENIC	0.2 PPM MAX
- DISTILLATION RANGE	185-189°C
- IRON	0.5 PPM MAX
- LEAD	0.5 PPM MAX
- RESIDUE ON IGNITION	50 PPM MAX