

PLANT: Anaheim, CA

MFG DATE: 04-22-2024 1:46 PM

SPECIALTY PRODUCTS & LEASING

19329 SOUTH LAKE ROAD

TAFT, CA 93311

CERTIFICATE OF ANALYSIS

DCPC PRODUCT NAME: n-Butane, Instrument Purity, 2.5

CUST PRODUCT CODE:

CUST P.O. NUMBER : 5041-DD

DOT SHIPPING INFORMATION

NPCA - HMIS RATINGS

Petroleum Gases, Liquefied

HEALTH 1

FLAMMABILITY 4

REACTIVITY 0

PERSONAL PROTECTION -

2.1, Flammable Gas, UN1075

NON CORROSIVE

PERSONAL PROTECTION INFORMATION TO BE SUPPLIED BY USER

DCPC LOT NUMBER : 2024-45004-00\_DV48

SOURCE : DV48

WEIGHT LOADED : 39249 lb

SAMPLED BY : TWT

ANALYST : TWT

DELIVERY DATE : 04/23/2024 06:00 A

EXPIRATION DATE : 04-22-2034

COMPONENT	WEIGHT%	MOLE%	LIQ VOL% (60 °F)
ETHANE	0.0000	0.0000	0.0000
PROPANE	0.0736	0.0970	0.0845
ISOBUTANE	0.0317	0.0317	0.0328
N-BUTANE	99.8722	99.8532	99.8614
NEOPENTANE	0.0225	0.0181	0.0212
ISOPENTANE	0.0000	0.0000	0.0000
N-PENTANE	0.0000	0.0000	0.0000

DENSITY AT 60 °F =	4.863	LB/GL
DENSITY AT 70 °F =	4.809	LB/GL
SPC GRAVITY AT 60 °F =	0.583	G/CC
CALC. PRES. AT 70 °F =	17.00	PSIG
CALC. PRES. AT 100 °F =	37.64	PSIG
ACT. PRES. AT 70 °F =	17.00	PSIG

MOISTURE CONTENT (PPMW) : < 3  
 TOTAL SULPHUR (PPMW) : < 1  
 RESIDUE (PPMW) : < 5  
 BENZENE (PPMW) : < 1.0

APPEARANCE: Clear & Colorless  
 ODOR: Pass

PREPARED BY: *Thomas* \*\*\* SDS PREVIOUSLY PROVIDED \*\*\*

DATE: 04-22-2024

Pure Innovation with YOU in Mind.

**BTEX Analysis- Addendum**

Ship To: Specialty Products & Leasing

Shipper's No: 2024-45004-00

**Plant:** Anaheim  
**Product:** n-Butane, Instrument Purity, 2.5  
**Sample ID:** 042224\_DV48

**Manufacture Date:** 4/22/2024  
**Customer Part No:** \_\_\_\_\_

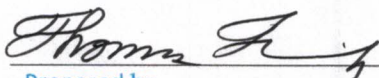
**BTEX Analysis Report**

Component (Liquid Phase)	Results	Specifications	Method
Benzene	ND	< 1.0 - ppmw	Gas Chromatography
Ethylbenzene	ND	< 1.0 - ppmw	Gas Chromatography
Toluene	ND	< 1.0 - ppmw	Gas Chromatography
Xylene (m,p,o)	ND	< 1.0 - ppmw	Gas Chromatography

**ND - Not Detected (Below Minimum Detection Limit, MDL)**

**MDL - < 0.5 ppm PO 4169 120#**

513419D, TR398433, 464720D, TR399893, 393037UA, CC217590, RD892990  
395924D, 395888D, 536332D, 540344D, 542933D, 523139D, RD892656,  
542668D, 001403QC, RD874054, 464899D

  
Prepared by

April 22, 2024