

PLANT: Channahon, IL

MFG DATE: 11-03-2023 08:55 AM

GLOBAL RARE GASES

2533 TRACY ROAD

NORTHWOOD, OH 43619

CERTIFICATE OF ANALYSIS

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

CUST PRODUCT CODE:

CUST P.O. NUMBER : 1355

DOT SHIPPING INFORMATION

NPCA - HMIS RATINGS

Petroleum Gases, Liquefied

HEALTH 1

FLAMMABILITY 4

REACTIVITY 0

2.1, Flammable Gas, UN1075

PERSONAL PROTECTION -

NON CORROSIVE

PERSONAL PROTECTION INFORMATION TO BE SUPPLIED BY USER

DCPC LOT NUMBER : 2023-42088-00\_DV64#2

SOURCE : DV64#2

WEIGHT LOADED : 18540 lb

SAMPLED BY : TM

ANALYST : TM

DELIVERY DATE : 11/06/2023 09:00 A

EXPIRATION DATE : 11-03-2023

COMPONENT	WEIGHT%	MOLE%	LIQ VOL% (60 °F)
ETHANE	0.0000	0.0000	0.0000
PROPANE	0.0000	0.0000	0.0000
ISOBUTANE	0.1929	0.1929	0.1997
N-BUTANE	99.7233	99.7395	99.7213
NEOPENTANE	0.0838	0.0675	0.0791
ISOPENTANE	0.0000	0.0000	0.0000
N-PENTANE	0.0000	0.0000	0.0000

DENSITY AT 60 °F = 4.864 LB/GL  
 DENSITY AT 70 °F = 4.810 LB/GL  
 SPC GRAVITY AT 60 °F = 0.583 G/CC  
 CALC. PRES. AT 70 °F = 16.92 PSIG  
 CALC. PRES. AT 100 °F = 37.53 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: *John P. ...* <sup>\*\*\* SDS PREVIOUSLY PROVIDED \*\*\*</sup> DATE: 11-03-2023

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**DiversifiedCPC**

INTERNATIONAL

24338 West Durkee Road | Channahon, IL 60410 | 815-424-2000

**BTEX Analysis- Addendum**

Ship To: Global Rare Gases

Shipper's No: 2023-42088-00

Plant: Channahon

Manufacture Date: 11/2/23

Product: n-Butane, Instrument  
Purity, 2.5

Customer Part No:

Sample ID: DV64#2

**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

Prepared by

*Jennifer Brown*

November 3, 2023

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