

PLANT: Channahon, IL

MFG DATE: 04-16-2024 5:40 PM

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 : 1409

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 : 2024-44870-00_DV63#2

SOURCE : DV63#2

WEIGHT LOADED : 19540 lb

SAMPLED BY : TC

ANALYST : TC

DELIVERY DATE : 04/17/2024 09:00 A

EXPIRATION DATE : 04-16-2034

COMPONENT	WEIGHT%	MOLE%	LIQ VOL% (60 °F)
ETHANE	0.0000	0.0000	0.0000
PROPANE	0.0000	0.0000	0.0000
ISOBUTANE	0.0881	0.0881	0.0912
N-BUTANE	99.8109	99.8305	99.8135
NEOPENTANE	0.1010	0.0814	0.0953
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 = 16.90 PSIG
 CALC. PRES. AT 100 °F = 37.50 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

*** SDS PREVIOUSLY PROVIDED ***

PREPARED BY: *Arturo*
 Pure Innovation with YOU in Mind.

DATE: 04-16-2024

BTEX Analysis- Addendum

Ship To: GLOBAL RARE GASES

Shipper's No: 2024-44870-00

Plant: Channahon
Product: n-Butane, Instrument Purity, 2.5
Sample ID: dv63#2

Manufacture Date: 12/13/21
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

AG

Prepared by

April 16, 2024