



**CERTIFICATE OF ANALYSIS**  
**ISOBUTANE**  
**INSTRUMENT PURITY**

COMPONENT	WEIGHT%	MOLE%	LIC VOL% (60 °F)
ETHANE	0.0000	0.0000	0.0000
PROPANE	0.0042	0.0055	0.0047
ISOBUTANE	99.7550	99.7537	99.7627
N-BUTANE	0.2408	0.2408	0.2326

DENSITY AT 60 °F = 4.699 LB/GL  
 DENSITY AT 70 °F = 4.640 LB/GL  
 SPC GRAVITY AT 60 °F = 0.563 G/CC  
 CALC. PRES. AT 70 °F = 31.07 PSIG  
 CALC. PRES. AT 100 °F = 58.96 PSIG  
 ACT. PRES. AT 70 °F = 31.00 PSIG

MOISTURE CONTENT (PPMW) : .3  
 TOTAL SULPHUR (PPMW) : < 1  
 RESIDUE (PPMW) : < 5  
 BENZENE (PPMW) : < 1.0  
 APPEARANCE: Clear & Colorless  
 ODOR: Pass

PREPARED BY: Jim Brown DATE: 11-09-2023

(GUARRANTEED SPECIFICATION ISOBUTANE 99.5%+)

**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

Certified by: DAVID MEYER SO# 1069764

Cylinder Serial Number (s)

534272D 743824UA  
 385308D 535057D  
 511254D 397349D  
 512765D 512344UA  
 028244 418133D  
 523380D 716743UA  
 481036D 536343D  
 218649 029051  
 541211D 540078D

Batch Number

2023-42148-00\_DV43#1

Customer PO#: 3758