

GAS INNOVATIONS

CERTIFICATE OF ANALYSIS ISOBUTANE EXTRACTION GRADE

<u>Guaranteed Specifications</u>		<u>Lot Analysis</u>	<u>Test Method</u>	<u>Instrument</u>
99.5 % +	Isobutane	99.65 % +	ASTM 2163	GC/FID
Sum of all impurities to be < 0.50 %	Methane	< 1 PPM	ASTM 2163	GC/FID
	Ethane	2 PPM	ASTM 2163	GC/FID
Water < 5 PPM	Propane	55 PPM	ASTM 2163	GC/FID
	n-butane	3358 PPM	ASTM 2163	GC/FID
Liquid Phase Analysis	N-pentane	< 1 PPM	ASTM 2163	GC/FID
	Neopentane	8 PPM	ASTM 2163	GC/FID
	Isopentane	5 PPM	ASTM 2163	GC/FID
	C6+	< 1 PPM	ASTM 2163	GC/FID
	Hexane	< 1 PPM	ASTM 2163	GC/FID
	Total BTEX	< 0.1 PPM	ASTM 5580	GC/FID
	Total Alcohols (MeOH, etc.)	< 1 PPM	ASTM 7423	GC/FID
	Total Sulfur	< 0.1 PPM	ASTM 5623	GC/FPD
	Total Metals (Mg, K, etc.)	< 1 PPB		ICP-MS
	Water	< 5 PPM	Electronic (GE Series 3 H2O Monitor)	

Certified by: _____

Date: _____

SO# 00

Cylinder Serial Number(s)

Batch Number
IBU-060922-I

CUSTOMER PO#: 000

Lot Number: IBU-060922-I-6

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