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CERTIFICATE OF ANALYSIS

Product: R-290

Components		MOLE%	WEIGHT%
Methane		0.000	0.000
Ethane		0.503	0.343
Propane		99.497	99.657
Propylene		0.000	0.000
N-Butane		0.000	0.000
1-Butene		0.000	0.000
Isobutylene		0.000	0.000
Trans-2-butene		0.000	0.000
Isopentane		0.000	0.000
Cis-2-butene		0.000	0.000
N-Pentane		0.000	0.000
Dimethyl Ether		0.000	0.000
Difluoroethane		0.000	0.000
1,1,1,2-Tetrafluoroethane		0.000	0.000
Totals		100.000	100.000
Parameters	Result	MIN	MAX
V.P. @ 70°F Actual	113.60	108.00	114.00
V.P. @ 70°F Calculated	111.54	Theoretical	
Moisture (ppmw)	1.33	0.00	10.00
Unsaturates (total ppmw)	0.00	0.00	500.00
Sulfur Compounds (ppmw)	0.00	0.00	0.00
Parameters	Result	Specifications	
Acidity of Residue	Neutral	Neutral	
Composite Odor	Pass	Pass	
Oxygen	<1ppm	<1ppm	
Neopentane	<1ppm	<1ppm	
Hexanes	<1ppm	<1ppm	
Chlorides	Negative	N/A	
TBA/TBHP	None	<1ppm	

Date: May 1, 2026

Scott Garner – President CEO

Authorized Signature