



SPECIFICATION SHEET

Specification of Ethylene

Ethylene	UNIT	TEST METHOD	Value	Value	Value
Purity	mol %	ASTM D2504			
Hydrogen	ppm vol			≥ 99.9	≥ 99.95
Carbon Monoxide	ppm vol	ASTM D2504		≤ 5	≤ 5
Carbon Dioxide	ppm vol	ASTM D2505		≤ 2	≤ 0.1
Total Sulfur	ppm vol	ASTM D6667		≤ 5	≤ 0.1
Methane + Ethane	ppm vol	ASTM D2505		≤ 2	≤ 1
Acetylene	ppm vol	ASTM D2505		≤ 500	≤ 500
Total C3 & higher	ppm vol	ASTM D2505		≤ 5	≤ 1
Total Combined	ppm vol	ASTM D4629		≤ 10	≤ 10
Nitrogen calculated as NH3					
Water	ppm vol	ASTM D5454		≤ 1	≤ 0.2
Oxygen	ppm vol	Equipment		≤ 5	≤ 0.1
Methanol & other Solvent	ppm vol	Manufacturing		≤ 5	≤ 0.5
		ASTM D4815		≤ 5	≤ 0.5