



Central Welding Supply Gas Specifications

Nitrogen	Purity	Oxygen	Water (H2O)	THC	CO + CO2	Hydrogen
High Purity	99.998%	< 5.0 ppm	< 3.0 ppm			
Zero	99.998%	< 4.0 ppm	< 3.0 ppm	< 0.5 ppm		
Ultra-High Purity	99.999%	< 1.0 ppm	< 1.0 ppm	< 0.5 ppm		
Ultra-Pure Carrier	99.9993%	< 1.0 ppm	< 1.0 ppm	< 0.5 ppm	* < 1.0 ppm	
Electronic	99.999%	< 3.0 ppm	< 3.0 ppm	< 1.0 ppm	* < 1.0 ppm	
Research	99.9997%	< 0.5 ppm	< 500 PPBv	< 0.2 ppm	* < 1.0 ppm	< 2.0 ppm

Helium	Purity	Oxygen	Water (H2O)	THC	CO + CO2	Nitrogen	Argon
High Purity	99.998%	< 5.0 ppm	< 3.0 ppm				
Zero	99.998%	< 4.0 ppm	< 3.0 ppm	< 0.5 ppm			
Ultra-High Purity	99.999%	< 2.0 ppm	< 1.0 ppm	< 0.5 ppm	* < 1.0 ppm	** < 5.0 ppm	
Ultra-Pure Carrier	99.9995%	< 1.0 ppm	< 1.0 ppm	< 0.5 ppm	* < 1.0 ppm	** < 3.0 ppm	
Electronic	99.999%	< 2.0 ppm	< 3.0 ppm	< 1.0 ppm	* < 1.0 ppm	< 3.0 ppm	
Research	99.9999%	< 0.5 ppm	< 1000 PPBv	< 0.2 ppm	* < 0.2 ppm	< 1.0 ppm	
Chromatographic	99.9999%	< 0.5 ppm	< 0.2 ppm	< 0.1 ppm	* < 0.1 ppm	< 0.5 ppm	< 0.5 ppm

Argon	Purity	Oxygen	Water (H2O)	THC	CO + CO2	Nitrogen
High Purity	99.998%	< 4.0 ppm	< 3.0 ppm			
Zero	99.998%	< 4.0 ppm	< 3.0 ppm	< 0.5 ppm		
Ultra-High Purity	99.999%	< 1.0 ppm	< 1.0 ppm	< 0.5 ppm	* < 1.0 ppm	
Ultra-Pure Carrier	99.9995%	< 0.5 ppm	< 0.5 ppm	< 0.3 ppm	* < 1.0 ppm	
Electronic	99.999%	< 1.0 ppm	< 3.0 ppm	< 0.5 ppm	* < 0.5 ppm	
Research	99.9997%	< 0.2 ppm	< 500 PPBv	< 0.2 ppm	* < 1.0 ppm	< 3.0 ppm

Oxygen	Purity	Water (H2O)	THC	CO	CO2	AR	N2	Kr
Zero	99.8%	< 3.0 ppm	< 0.5 ppm					
Ultra-High Purity	99.994%	< 2.0 ppm	< 0.5 ppm	< 1.0 ppm	< 1.0 ppm	< 35 ppm	< 15 ppm	
Ultra-Pure Carrier	99.996%	< 1.0 ppm	< 0.5 ppm	< 1.0 ppm	< 1.0 ppm	< 20 ppm	< 10 ppm	
Electronic	99.995%	< 2.0 ppm	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm	< 3.0 ppm	< 25.0 ppm	< 1.0 ppm
Research	99.999%	< 500 PPBv	< 0.2 ppm	< 0.5 ppm	< 0.5 ppm	< 3.0 ppm	< 5.0 ppm	< 2 ppm

*Carbon Dioxide & Carbon Monoxide combined reading. ** Readings based on Bulk product Certificate of Analysis



Certificate of Accreditation
 ISO/IEC 17025:2017
 Chemical Testing
 Iss. Date: 12/20/2020
 Exp Date: 03/31/2023

Certificate of Accreditation
 ISO/IEC 17025:2017
 Calibration
 Iss. Date: 12/20/2020
 Exp Date: 03/31/2023