

# PRODUCT SPECS FOR PURE GASES

CONTAMINATE LEVELS (UNLESS OTHERWISE NOTED AS %)

GRADE	PURITY	PART #	VALVE	O2	THC*	H2O	CO	CO2
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## ACETYLENE

ATOMIC ABSORPTION ⇄	2.6	99.6%	ACE-26-300	510	SEE NOTE @ BOTTOM ⇄	-	-	-
INDUSTRIAL		98.0%	AC300	510	-	-	-	-

## AIR

ULTRA ZERO	0.1	-	AIR-UZ-300	590	19.5% - 23.5%	<0.1 ppm	<3 ppm	<1 ppm	<1 ppm
ZERO	1.0	-	AIR-ZE-300	590	19.5% - 23.5%	<1 ppm	-	-	-
EXTRA DRY	-	-	AIR-ED-300	590	19.5% - 23.5%	-	<8 ppm	-	-
T.O.C.	-	-	AIR-TOC-300	590	19.5% - 23.5%	<0.1 ppm	<1 ppm	<0.5 ppm	<0.5 ppm
USP~	-	-	AIR-USP-300	346	19.5% - 23.5%	NONE	NONE	≤10 ppm	≤500 ppm
BREATHING AIR	D&L	-	CA300	346	19.5% - 23.5%	<5 ppm	<24 ppm	<10 ppm	<500 ppm

~ USP - AIR has ≤ 5 ppm SO2, ≤ 2.5 ppm NOx, & No Odor

## ARGON

UHP	5.0	99.999%	ARG-50-300	580	<1 ppm	<0.5 ppm	<1 ppm	-	-
PREPURIFIED	4.8	99.998%	ARG-48-300	580	<5 ppm	<2 ppm	<5 ppm	-	-
INDUSTRIAL		99.99%	AR300	580	<7 ppm	-	<15 ppm	-	-

## CARBON DIOXIDE

Research	4.8	99.998%	CDI-48-50	320	<2 ppm	<4 ppm	<2 ppm	<0.5 ppm	99.998%
LASER GRADE	4.5	99.995%	CDI-45-50	320	<5 ppm	<1 ppm	<5 ppm	-	99.995%
COLEMAN/ INSTRUMENT***	4.0	99.99%	CDI-40-50	320	<20 ppm	-	<10 ppm	-	99.99%
ANAEROBIC	3.0	99.9%	CDI-30-50	320	<20 ppm	-	-	-	99.9%
BONE DRY	2.8	99.8%	CDI-28-50	320	-	-	<20 ppm	-	99.8%
LAB GRADE	2.0	99.0%	CD50LAB	320	<25 ppm	-	<50 ppm	-	99.0%
USP^^	2.0	99.0%	CDI-USP-50	320	-	-	<200 ppm	<10 ppm	99.0%
INDUSTRIAL	2.0	99.0%	CD50	320	<50 ppm	-	<100 ppm	-	99.0%

\*\*\* Coleman Grade has <50 ppm N2

^^ USP-CO2 also has ≤1ppm H2S, ≤2.5ppm NO, ≤25ppm NH3, ≤5ppm SO2, ≤2.5ppm NO2

## HELIUM

UHP	5.0	99.999%	HEL-50-300	580	<1 ppm	<0.5 ppm	<1 ppm	-	-
PREPURIFIED	4.7	99.997%	HEL-47-300	580	<5 ppm	-	<5 ppm	-	-
ZERO	4.8	99.998%	HEL-48-300	580	-	<0.5 ppm	-	-	-
INDUSTRIAL		99.9%	HE300	580	<30 ppm	-	<20 ppm	-	-

## HYDROGEN

UHP^	5.0	99.999%	HYD-50-300	350	<1 ppm	<1 ppm	<1 ppm	-	-
ZERO	4.5	99.995%	HYD-45-300	350	-	<0.5 ppm	-	-	-
PREPURIFIED (PP)	4.0	99.99%	HYD-40-300	350	<20 ppm	-	<10 ppm	-	-
PREPURIFIED (CK)	4.7	99.997%	HYD-47-300	350	<3 ppm	<5 ppm	<8 ppm	-	-
INDUSTRIAL	3.5	99.95%	HY300	350	<30 ppm	-	<20 ppm	-	-

^Purity Plus H2 Grade 5.0 also has <5 ppm N2

## NITROGEN

UHP	5.0	99.999%	NIT-50-300	580	<1 ppm	<0.5 ppm	<1 ppm	-	-
ZERO	4.8	99.998%	NIT-ZE-300	580	-	<0.5 ppm	-	-	-
PREPURIFIED	4.8	99.998%	NIT-48-300	580	<5 ppm	-	<5 ppm	-	-
Lab Grade	4.0	99.99%	NIT-LAB-200	580	<10 ppm	-	<8 ppm	-	-
NF (MEDICAL)	2.0	99.0%	NIT-NF-300	580	< 1%	-	-	<10 ppm	-
INDUSTRIAL		99.5%	NI300	580	<20 ppm	-	<15 ppm	-	-

## NITROUS OXIDE

ATOMIC ABSORPTION	2.6	99.6%	N20-26-50	326	-	-	<30 ppm	-	-
USP****	2.0	99.0%	N20-USP-50	326	1 %	<1 ppm	<200 ppm	<10 ppm	<300 ppm

N20-AA: AIR<2000 ppm \*\*\*\* N20 - USP ≤ 25 ppm NH3, and < 25 ppm NH3 1ppm on NO, NO2, & Halogens

## OXYGEN

UHP**	4.3	99.993%	OXY-43-300	540	99.993%	<0.5 ppm	<3 ppm	-	-
ZERO	2.8	99.8%	OXY-28-300	540	99.8%	<0.5 ppm	-	-	-
EXTRA DRY	2.6	99.6%	OXY-26-300	540	99.6%	-	<10 ppm	-	-
USP	2.5	99.5%	OXY-USP-200	540	99.5%	-	-	-	-
AVIATOR	2.6	99.6%	OX300AV	540	99.6%	-	<5 ppm	-	-
INDUSTRIAL	2.0	99.0%	OX300	540	99.0%	-	<20 ppm	-	-

ppm stands for Parts Per Million

\*\*Purity Plus O2 Grade 4.3 also has <10ppm N2 & <40ppm Ar

\*THC stands for Total Hydrocarbons

⇄ AA-C2H2 < 4000 PPM O2 + CH4, < 20 PPM PH3

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SPECIALTY GASES



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