

ISO Compressed Air Quality Testing

ISO 8573 – 1:2010



Does your Compressed Air come into Direct or Indirect contact with your Pharmaceutical, Food, or Medical Product ?

Compressed air is an essential utility that must be properly purified and monitored to assure its continued quality established by your SOPs.

Get Your Compressed Air Tested Today!

ICAT samples for ISO 8573 – 1:2010 Air Purity Classes standard to ensure your installation, verification, and performance protocols for your compressed air system will be satisfied.

OESN's compressed air sampling procedure of Particles, Water Vapour, Oil Aerosol & Vapour, and optional Gases is designed for point of use sampling of low pressure compressed air outlets. Samples take as few as 10 minutes or up to two hours depending on the purity classes selected.

ISO 8573 – 1:2010 Contaminants and Purity Classes

Class	Particles				Water			Oil ¹
	By Particle Size Maximum number of particles per m ³			By Mass mg/m ³	Vapour Pressure Dewpoint		Liquid g/m ³	Aerosol & Vapour mg/m ³
	0.1 - 0.5 micron	0.5 - 1.0 micron	1 - 5 micron		°C	°F		
0	As specified by the equipment user or supplier and more stringent than class 1							
1	20,000	400	10	-	≤ - 70	≤ - 94		≤ 0.01
2	400,000	6,000	100	-	≤ - 40	≤ - 40		≤ 0.1
3	-	90,000	1,000	-	≤ - 20	≤ - 4		≤ 1
4	-	-	10,000	-	≤ + 3	≤ + 37		≤ 5
5	-	-	100,000	-	≤ + 7	≤ + 45		-
6	-	-	-	0 - 5	≤ + 10	≤ + 50		-
7	-	-	-	5 - 10			0.5	-
8	-	-	-	-			5	-
9	-	-	-	-			10	-
X	-	-	-	> 10			> 10	> 5

Note 1: ISO 8573 Oil includes aerosol, vapour and liquid oil. Liquid oil is typically sampled when wall flow is present, contamination is suspected, or results are greater than 5 mg/m³.



Contact Information

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