

Trace Zero Inc.

50% Malonic Acid

CAS No. 144-82-2

Chemical Form 1, 3 Propanedioic Acid, 50% solution

Formula C₃H₄O₄

Chemical Properties

	Typical	Specification
Malonic acid, as C ₃ H ₄ O ₄ , %	50.0	49.8-50.2
Aluminum, ppb	1.5	<100
Boron, ppb	3.5	<100
Calcium, ppb	4.5	<2500
Chloride, ppm	1.5	<100
Chromium, ppb	60	<100
Cobalt, ppb	1	<100
Copper, ppb	1	<100
Iron, ppb	12	<350
Magnesium, ppb	3	<100
Manganese, ppb	1	<100
Nickel, ppb	2	<100
Potassium, ppb	9	<1500
Sodium, ppb	500	<6000
Titanium, ppb	2	<100
Zinc, ppb	1	<100
Zirconium, ppb	.5	<100

Bacterial Properties

Aerobic bacteria, CFU/mL	<1	<1
Anaerobic bacteria, CFU/mL	<1	<1
Yeast and Mold, CFU/mL	<1	<1
Fungal, CFU/mL	<1	<1

General Properties

Description	Water-like Clear Liquid
Density, g/mL	1.19
pH	<1

Standard Containers	55 gallon plastic drums, 275 gallon IBC tote
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Storage Requirements	Store in clean, dry environment. Temperature range 40-90°F. Product decomposes in direct sunlight and increased temperatures.
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The information contained in this document is, to our knowledge, true and accurate. Due to the variation of incoming raw materials the levels typical in our said product are subject to change but will herein conform to the chemical limitations set forth in this document and all associated quality control documents established at Trace Zero Inc.