



Hydrogen Water Testing & Certification

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Laboratory Report IHSA Certification Test Results Summary

Company	Echo Technologies LLC
Client #	H2A-1003
Project Description	IHSA Certification
Report #	H2AR-250410-1
IHSA Registration #	25-0410-1-PX

Client #	H2A-1003
Product Name	Hydrogen Prebiotic
Product ID #	H2A-1003-08
Product Class/Profile	IIC
Sample Type	Powder

Parameter	Test Standard	Test Method	Units	Result	PQL	LOD	Pass/Fail/Pending	Comments
Marketing Analysis	No pseudoscientific or medical claims	n/a	n/a	NF	n/a	n/a	Pass	
Dissolved Hydrogen (H ₂)	≥ 0.5	HS-GC	mg/L	see report	0.05	0.02	Pass	all except RTD
Dissolved Hydrogen (H ₂) RTD	≥ 1.0	HS-GC	mg/L		0.05	0.02	n/a	RTD
Water-Quality Analysis	various	various	see report				Pass	transferred under CCR
H ₂ /pH _{max} TDS _{hi}	pH incr < + 1.5	electrode	pH	n/a	0.5	0.1	n/a	electrolytic dual-cell devices, source EC = 2000 mg/L
	H ₂ ≥ 0.5	HS-GC	mg/L	n/a	0.05	0.02	n/a	
Final pH	≤ 9.5	electrode	pH	2.81	0.5	0.1	Pass	reactives and RTD
Change in pH (ΔpH)	pH incr < + 1.5	electrode	pH	-3.47	0.5	0.1	Pass	all except RTD
Chlorine	ND	OTO	mg/L	n/a	0.5	0	n/a	prthotolidine
Ozone	ND	ITS	mg/L	n/a	0.05	0	n/a	indigo trisulfonate
Pressure Relief Valve	present	n/a	-----	n/a	n/a	n/a	n/a	pressurized batch devices
Shelf Life	H ₂ ≥ 0.5 after 1 yr	n/a	mg/L	n/a	0.05	0.02	n/a	results after 1 yr
IHSA Certification Test Results	meets or exceeds all test stds	n/a					Pass	reg # 25-0410-1-PX

PQL: practical quantitation level; LOD: limit of detection; ND: none detected; NF: none found; RTD: ready to drink; EC: electrical conductivity; CCR: chain of custody record



RSS Sharpe

Approved By: Randy Sharpe, Director of Testing

Report Date: 4/10/2025