



Scan to Verify
COA Authenticity



SAMPLE INFORMATION

Sample Name:
BAC Water 10ml

Lot Number:
SD-260727-1

Sample Matrix:
Lyophilized Peptide

Received Date:
August 3, 2026

Sample ID:
0539.OPT.260803

Client:
KYLO

Intended Use:
Research Use Only

Report Date:
August 12, 2026



IDENTITY
BAC WATER
LC-MS



PURITY
99.91%
RP-HPLC



ENDOTOXIN
PASS
LAL



RESIDUAL
SOLVENTS
PASS
GC-MS



HEAVY
METALS
PASS
ICP-OES



STERILITY
PASS
USP <71>

RESULTS SUMMARY

TEST PANEL	METHOD	SPECIFICATION	RESULT	STATUS
Identity Verification	LC-MS	-	BAC Water	TESTED
Purity	RP-HPLC	≥ 98.0%	99.91%	TESTED
pH	Probe	5.0 – 8.0	5.4	PASS
Endotoxin	LAL	≤ 0.05 EU/mg	Pass	PASS
Sterility	USP <71>	No Growth	Pass	PASS
Total Yeast & Mold	USP <61>/<62>	Within Limits	Pass	PASS
Residual Solvents	GC-MS	-	Pass	PASS
Heavy Metals	ICP-OES	Within Limits	Pass	PASS



Residual Solvents

Instrument: GC-MS Analysis Date: August 12, 2026

PASS

Analyte	LOD (µg/g)	LOQ (µg/g)	Action Limit (µg/g)	Result (µg/g)	Status
Propane	15.4688	46.875	5000	ND	PASS
Butane	15.4688	46.875	5000	ND	PASS
Methanol	15.4688	46.875	3000	ND	PASS
Ethylene Oxide	0.1547	0.4688	1	ND	PASS
Pentane	15.4688	46.875	5000	ND	PASS
Ethanol	15.4688	46.875	5000	ND	PASS
Ethyl Ether	15.4688	46.875	5000	ND	PASS
Acetone	15.4688	46.875	5000	ND	PASS
Isopropyl Alcohol	15.4688	46.875	5000	ND	PASS
Acetonitrile	15.4688	46.875	410	ND	PASS
Methylene Chloride	0.1547	0.4688	1	ND	PASS
n-Hexane	15.4688	46.875	290	ND	PASS
Ethyl Acetate	15.4688	46.875	5000	ND	PASS
Chloroform	0.1547	0.4688	1	ND	PASS
Benzene	0.1547	0.4688	1	ND	PASS
1,2-Dichloroethane	0.1547	0.4688	1	ND	PASS
Heptane	15.4688	46.875	5000	ND	PASS
Trichloroethylene	0.1547	0.4688	1	ND	PASS
Toluene	15.4688	46.875	890	ND	PASS
Total Xylenes (m, p)	23.2032	70.3125	-	ND	PASS
Total Xylenes (o)	23.2032	70.3125	-	ND	PASS
Total Xylenes	-	-	2170	ND	PASS

Heavy Metals

Instrument: ICP-OES Analysis Date: August 12, 2026

PASS

Analyte	LOD (µg/g)	LOQ (µg/g)	Action Limit (µg/g)	Result (µg/g)	Status
Arsenic	0.015	0.05	0.2	ND	PASS
Cadmium	0.0113	0.05	0.2	ND	PASS
Lead	0.00615	0.05	0.5	ND	PASS
Mercury	0.00126	0.005	0.1	ND	PASS