



Isotope Analyses for:
Amphos 21 Chile

IT² FILE #
250149

2025-07-02

Approved by:

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Director

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File Number: 250149**Project #:** 1115**PO:**

#	Sample ID	Sample Collection		Sample #	$\delta^{18}\text{O}$		Aver	Stdv	Date Analyzed	$\delta^2\text{H}$		Aver	Stdv	Date Analyzed	Sample Size
		Date	Time		H_2O	VSMOW				H_2O	VSMOW				
1	ISL-M7	2024-04-24	14:28	177600	x	-3.05	0.15		2025-06-17	x	-43.7	0.4		2025-06-17	1 x 50mL Plastic
2	GOR-M5	2025-04-23	14:45	177601	x	-5.85	0.11		2025-06-19	x	-60.2	0.5		2025-06-19	1 x 50mL Plastic

 ^{18}O & ^2H (CRDS)**Instrument Used:** Cavity Ring Down Spectroscopy (CRDS)

CRDS (Model L2130-i) (Picarro, California, USA).

Standard Used:

IT2-12E / IT2-13E / IT2-14D Calibrated with IAEA Standards (V-SMOW, SLAP, and GISP)

Typical Standard deviation: $(^{18}\text{O} \pm 0.1\text{‰})$ $(^2\text{H} \pm 1\text{‰})$

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N°	Name	Type	Date	CE_μS/cm	pH
1	ISL-M7	Surface water	24-04-2025	66150	8,33
2	GOR-M5	Surface water	23-04-2025	2693	6,46

PROJECT: 1115

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