



Isotope Analyses for:
Amphos 21

IT² FILE #
250060

2025-04-15

Approved by:

Orfan Shouakar-Stash, PhD
Director

Isotope Tracer Technologies Inc.

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**Client:** Amphos 21**Address:** Nueva Tajamar #481, Oficina 1005,
Metropolitana, Santiago Chile**Att.:** Pilar Enguita**E-mail:** Samuel.iglesias@amphos21.com
pilar.enguita@amphos21.com**Phone:** 56984731546**File Number:** 250060**Project #:** 1115**PO:**

#	Sample ID	Sample Collection		Sample #	$\delta^{18}\text{O}$	Aver	Stdv	$\delta^2\text{H}$	Aver	Stdv	Sample Size
		Date	Time		H_2O	VSMOW		H_2O	VSMOW		
1	PAR-M3	19-02-2025	10:22	176279	x	7.96	0.08	x	8.1	0.2	1x60mL
2	PAR-M4	19-02-2025	10:55	176280	x	5.81	0.08	x	-5.0	0.1	1x60mL
3	PAR-BACKUP	19-02-2025	11:25	176281	x	4.79	0.04	x	-9.8	0.3	1x60mL
4	PAR-M5	19-02-2025	12:00	176282	x	-1.60	0.09	x	-42.7	0.3	1x60mL
5	PAR-M6	19-02-2025	12:40	176283	x	-6.10	0.03	x	-61.9	0.3	1x60mL
6	PAR-M1	19-02-2025	13:15	176284	x	2.73	0.10	x	-15.0	0.4	1x60mL
7	GOR-M1	19-02-2025	17:00	176285	x	2.86	0.05	x	-20.5	0.4	1x60mL
8	GOR-M2	19-02-2025	17:55	176286	x	-7.54	0.08	x	-66.4	0.5	1x60mL
9	GOR-M3	19-02-2025	18:30	176287	x	-7.22	0.07	x	-66.2	0.2	1x60mL
10	GOR-M4	19-02-2025	19:05	176288	x	-3.63	0.13	x	-46.2	0.0	1x60mL
11	ISL-M4	20-02-2025	10:10	176289	x	-4.20	0.10	x	-52.2	0.1	1x60mL
12	ISL-M5	20-02-2025	10:18	176290	x	-4.20	0.10	x	-52.1	0.1	1x60mL
13	ISL-BACKUP	20-02-2025	10:45	176291	x	-8.43	0.06	x	-71.4	0.3	1x60mL
14	ISL-MD3	20-02-2025	10:45	176292	x	-8.48	0.04	x	-71.6	0.2	1x60mL
15	ISL-M1	20-02-2025	11:20	176293	x	-0.14	0.05	x	-31.0	0.4	1x60mL
16	ISL-M2	20-02-2025	11:50	176294	x	-3.68	0.09	x	-50.3	0.2	1x60mL
17	ISL-M3	20-02-2025	13:05	176295	x	4.21	0.14	x	-12.8	0.6	1x60mL
18	AGI-M2	20-02-2025	16:05	176296	x	2.16	0.15	x	-24.1	0.6	1x60mL
19	AGI-M3	20-02-2025	16:40	176297	x	2.24	0.09	x	-28.4	0.5	1x60mL
20	AGI-BACKUP	20-02-2025	17:20	176298	x	6.63	0.12	x	-2.2	0.2	1x60mL
21	AGI-M5	20-02-2025	17:55	176299	x	6.57	0.10	x	-5.4	0.1	1x60mL
22	AGI-M6	20-02-2025	18:05	176300	x	-5.40	0.08	x	-21.9	0.3	1x60mL
23	AGI-M1	20-02-2025	19:00	176301	x	-5.53	0.11	x	-63.6	0.5	1x60mL

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Email: orfan@it2isotopes.comWebsite: www.it2isotopes.com **^{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:** $(^{18}\text{O} \pm 0.1\text{‰})$ $(^2\text{H} \pm 1\text{‰})$



CHAIN OF CUSTODY / ANALYTICAL SERVICES REQUEST FORM Page 01 of 01

<i>Note: all TAT Quoted material is in business days which exclude statutory holidays and weekends.</i>	Specify date required	Service Requested	
		(regular)	X
		(Rush)	

COMPANY NAME		Amphos 21				ANALYSIS REQUEST													
OFFICE ADDRESS		Nueva Tajamar #481, Oficina 1901, Torre Norte. Las Condes, Región Metropolitana, Santiago.				PLEASE INDICATE FILTERED, PRESERVED OR BOTH <---- (F, P, F/P)													
PROJECT MANAGER: Pilar Enguita																SUBMISSION #:			
PROJECT # 1115																ENTERED BY:			
PHONE +56984731546				FAX		NUMBER OF CONTAINERS 2H & 180 of water samples 180 & 345 of dissolved sulphate										DATE/TIME ENTERED:			
				PO #												REPORT FORMAT/DISTRIBUTION		BIN #:	
SAMPLING INFORMATION																EMAIL ☒ FAX ☐ BOTH ☐			
						SELECT: PDF ☒													
						DIGITAL ☐ BOTH ☐													
						EMAIL 1													
						samuel.iglesias@amphos21.com													
						EMAIL 2													
						pilar.enguita@amphos21.com													
Sample Date/Time		TYPE		MATRIX		SAMPLE DESCRIPTION TO APPEAR ON REPORT				COMMENTS		LAB ID							
Date	Time (24hr) (hh:mm)	COMP	GRAB	WATER	SOIL														
19-02-2025	10:22			x		PAR-M3	1 x 60 ml	x											
19-02-2025	10:55			x		PAR-M4	1 x 60 ml	x											
19-02-2025	11:25			x		PAR-BACKUP	1 x 60 ml	x											
19-02-2025	12:00			x		PAR-M5	1 x 60 ml	x											
19-02-2025	12:40			x		PAR-M6	1 x 60 ml	x											
19-02-2025	13:15			x		PAR-M1	1 x 60 ml	x											
19-02-2025	17:00			x		GOR-M1	1 x 60 ml	x											
19-02-2025	17:55			x		GOR-M2	1 x 60 ml	x											
19-02-2025	18:30			x		GOR-M3	1 x 60 ml	x											
19-02-2025	19:05			x		GOR-M4	1 x 60 ml	x											
20-02-2025	10:10			x		ISL-M4	1 x 60 ml	x											
20-02-2025	10:18			x		ISL-M5	1 x 60 ml	x											
20-02-2025	10:45			x		ISL-BACKUP	1 x 60 ml	x											
20-02-2025	10:45			x		ISL-MD3	1 x 60 ml	x											
20-02-2025	11:20			x		ISL-M1	1 x 60 ml	x											
20-02-2025	11:50			x		ISL-M2	1 x 60 ml	x											
20-02-2025	13:05			x		ISL-M3	1 x 60 ml	x											
20-02-2025	16:05			x		AGI-M2	1 x 60 ml	x											
20-02-2025	16:40			x		AGI-M3	1 x 60 ml	x											
20-02-2025	17:20			x		AGI-BACKUP	1 x 60 ml	x											
20-02-2025	17:55			x		AGI-M5	1 x 60 ml	x											
20-02-2025	18:05			x		AGI-M6	1 x 60 ml	x											
20-02-2025	19:00			x		AGI-M1	1 x 60 ml	x											
SPECIAL INSTRUCTIONS/COMMENTS						THE QUESTIONS BELOW MUST BE ANSWERED FOR WATER SAMPLES (CHECK Yes OR No)						SAMPLE CONDITION							
						Are any samples taken from a regulated DW System?						Yes							
						___ No ___X___													
						If yes, an authorized drinking water COC MUST be used for this submission.													
						Is the water sampled intended to be potable for human consumption?						Yes							
						___ No ___X___													
SAMPLED BY: Amphos 21						DATE & TIME		RECEIVED BY:		DATE & TIME		Observations							
RELINQUISHED BY:						DATE & TIME		RECEIVED AT LAB BY:		DATE & TIME 04/03/2025									

1. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.

2. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.