 STRATUM RESERVOIR		ISOTECH		Document Number: 520	Revision: 0	Page: 1 of 2	Issue Date: 11/7/24	Revision Date:
Prepared By: Jason Klemp			Reviewed By: Tyler Cunningham			Approved By: Jason Klemp and Tyler Cunningham		
Title:		SCOPE OF ACCREDITATION FOR ISO 17025:2017						

1. General Information

Laboratory Name: Stratum Reservoir (Isotech), LLC

Laboratory Address: 1308 Parkland Court, Champaign, IL 61821

Accreditation Body: Perry Johnson Laboratory Accreditation, Inc

Accreditation Number: 120824

Scope of Certificate Number: L24-32

2. Accreditation Standard

This scope document is prepared in accordance with the requirements of **ISO/IEC 17025:2017**, which specifies the general requirements for the competence of testing laboratories.

3. Scope of Accreditation

The laboratory is accredited to perform the following testing activities using the methods outlined below:


3.1 Testing Scope

The laboratory is accredited to perform the following types of testing:

ITEMS TESTED	SPECIFIC TESTS MEASURED	STANDARD METHOD USED	REPRODUCIBILITY
Carbon containing products	Stable Isotope ratio ($^{13}\text{C}/^{12}\text{C}$)	Analysis of $\delta^{13}\text{C}$ of Solids/Liquids by EA-IRMS (Doc# 535)	0.3 ‰
Nitrogen containing products	Nitrogen isotope ratio: $^{15}\text{N}/^{14}\text{N}$	Analysis of $\delta^{15}\text{N}$ of Solids/Liquids by EA-IRMS (Doc# 536)	0.3‰
Sulfur containing products	Sulfur Isotope ratio: $^{34}\text{S}/^{32}\text{S}$	Analysis of $\delta^{34}\text{S}$ of Solids/Liquids by EA-IRMS (Doc# 537)	0.5‰
Hydrogen containing products	Hydrogen Isotope ratio: (D/H)	Analysis of $\delta^2\text{H}$ of Solids/Liquids by TCEA-IRMS (Doc# 538)	5.0‰
Oxygen containing products	Oxygen Isotope ratio: $^{18}\text{O}/^{16}\text{O}$	Analysis of $\delta^{18}\text{O}$ of Solids/Liquids by TCEA-IRMS (Doc# 539)	0.5‰

4. Testing Methodologies

The laboratory uses internally developed and validated methods for testing activities.

 STRATUM RESERVOIR		ISOTECH		Document Number: 520	Revision: 0	Page: 2 of 2	Issue Date: 11/7/24	Revision Date:
Prepared By: Jason Klemp			Reviewed By: Tyler Cunningham			Approved By: Jason Klemp and Tyler Cunningham		
Title:		SCOPE OF ACCREDITATION FOR ISO 17025:2017						

5. Measurement Uncertainty

The laboratory assesses measurement uncertainty in accordance with the laboratory's **Measurement Uncertainty Policy**. The uncertainty values are estimated based on the laboratory's experience, and testing methodologies, and the equipment used. Uncertainty is calculated for each specific measurement and is subject to change based on updates to equipment or methods.

6. Exclusions

The laboratory is **not accredited** to perform the following activities:

- **Tests for analytes outside of table 3.1**
- **Tests using non-standard methods that are not validated or approved for use**

Any work outside the accredited scope will be clearly identified and communicated to the client as being non-accredited.

7. Special Conditions and Limitations

- The laboratory's accreditation is limited to the testing activities specified in table 3.1.

8. Contact Information

For more information regarding the laboratory's scope of accreditation, please contact:

Laboratory Name: Stratum Reservoir (Isotech), LLC

Phone Number: 217-398-3490

Email: Tyler.Cunningham@stratumreservoir.com

Website: www.isotechlabs.com