

Schedule of Accreditation



Organisation Name	Gas Analysis Services Ltd
Trading As	SGS Gas Analysis Services
INAB Reg No	391T
Contact Name	Cronan Guilmartin
Address	Unit 1c, N11 South Point Business Park, Charvey Lane, Rathnew, Wicklow, A67P275
Contact Phone No	012761984
Email	cronan.guilmartin@sgs.com
Website	https://www.gasanalysis.ie
Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	22/09/2021
Scope Classification	Chemical testing
Services available to the public ¹	No

¹ Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered		
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)		
	Name	Address
1	Head Office	Unit 1c, N11 South Point Business Park, Charvey Lane, Rathnew, Wicklow

Scope of Accreditation

Head Office

Chemical Testing

Category: A

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
710 Materials testing - .03 Chemical analysis	Nitrogen Assay and Identification by Gas Chromatography	Nitrogen	95%-100%	Nitrogen Gas	Gas Chromatography with thermal conductivity detector	SGS GAS work instruction IN-36 as per EP/USP/JP Nitrogen Assay Monographs
	Oxygen Assay	Oxygen	0.1%-100%	Oxygen Gas Compressed Air	Oxygen Analyser with Paramagnetic Detector	SGS GAS work instruction IN-89 as per EP Monograph
770 Gases and aerosols - .01 Industrial gases	Ammonia content	Ammonia	0.25 - 3 ppm v/v	Carbon Dioxide	Colorimetric tube	SGS GAS work instruction IN-33 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021
	Aromatic Hydrocarbon C6H6	Benzene	10 - 115 ppb v/v	Carbon Dioxide	Gas Chromatography FID	SGS GAS work instruction IN-148 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021

Carbon Dioxide Assay	Carbon Dioxide	99.0 - 100 % v/v	Carbon Dioxide	Absorption burette analysis	SGS GAS work instruction IN-123 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021
Carbon Monoxide content	Carbon Monoxide	2 - 25 ppm v/v	Carbon Dioxide	Colorimetric tube	SGS GAS work instruction IN-23 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021
Hydrogen Cyanide content	Hydrogen Cyanide	0.1 - 50 ppm v/v	Carbon Dioxide	Colorimetric tube	SGS GAS work instruction IN-139 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021
Moisture content	Moisture	1 - 100 ppm v/v	Carbon Dioxide	Moisture analyser	SGS GAS work instruction IN-40 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021
Non-volatile Residue (NVR) & Non-Volatile Organic Residue (NVOR) in food grade CO ₂	Non-volatile Residue (NVR) & Non-Volatile Organic Residue (NVOR)	2 - 20 ppm v/v	Carbon Dioxide	Gravimetric analysis	SGS GAS work instruction IN-134 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021
Odour and appearance of solid CO ₂	N/A	Present - Not Present	Carbon Dioxide	Sensory	SGS GAS work instruction IN-142 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021
Odour, Taste and appearance in Water		Present - Not Present	Carbon Dioxide	Sensory	SGS GAS work instruction IN-143 as per ISBT Bulk Carbon Dioxide Quality

					& Food Safety Guidelines 2021
Oxides of Nitrogen content	Oxides of Nitrogen, Nitrogen Monoxide & Nitrogen Dioxide	0.2 - 6 ppm v/v	Carbon Dioxide	Colorimetric tube	SGS GAS work instruction IN-21 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021
Oxygen content	Oxygen	1 - 100 ppm v/v	Carbon Dioxide	Zirconia Oxygen Analyser	SGS GAS work instruction IN-14 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021
Phosphine content	Phosphine	0.1 - 3 ppm v/v	Carbon Dioxide	Colorimetric tube	SGS GAS work instruction IN-141 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021
Speciated Total Hydrocarbon content in food grade CO ₂	Methane, Total Non-Methane Hydrocarbons as methane, Acetaldehyde, Methanol & Total Hydrocarbons as methane	0.1 - 50 ppm v/v	Carbon Dioxide	Gas Chromatography FID	SGS GAS work instruction IN-39 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021
Sulphur Dioxide content	Sulphur Dioxide	0.5 - 25 ppm v/v	Carbon Dioxide	Colorimetric tube	SGS GAS work instruction IN-22 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021
Total Sulphur content	Total sulphur	0.01 - 5 ppm v/v	Carbon Dioxide	Gas Chromatography SCD	SGS GAS work instruction IN-82 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021

	Vinyl Chloride content	Vinyl Chloride	0.1 - 30 ppm v/v	Carbon Dioxide	Colorimetric tube	SGS GAS work instruction IN-140 as per ISBT Bulk Carbon Dioxide Quality & Food Safety Guidelines 2021
--	------------------------	----------------	------------------	----------------	-------------------	--