



**ACCREDITATION DOCUMENT  
RMP 001**

**NIPPON GASES NORGE AS**

Postboks 23, Haugenstua  
0915 Oslo

Accreditation encompasses the accreditation scope specified in the following pages of the document.

The accreditation was first granted on 25.11.2021.  
The accreditation is granted in accordance with the "Law on Free Trade in  
the EEA (EEA Goods Act)" of 14.04.2013.  
The organization meets the requirements of NS-EN ISO 17034:2016.

The accreditation requires regular follow-up and is valid until 25.11.2026.  
The accreditation decision means that Norwegian Accreditation has found that the organization  
meets the requirements for accredited activity within the relevant accreditation areas.  
Norwegian Accreditation is a signatory of the EA MLA for this area.

NORWEGIAN ACCREDITATION

**Accreditation document**  
**Accreditation no. RMP 001**

Administrative/geographical unit:

**Laboratory Rjukan**  
**Hydroparken 235**  
**3660 Rjukan**

Production of certified reference materials (CRM):

Matrix	Property Value(s)			Characterisation Procedure /Technique
	Fraction	Amount fraction (% mol/mol)	Measurement uncertainty ( $\pm$ rel. %)	
SYNTHETIC NATURAL GAS MIXTURES	Methane	55 - 100	0,2	Internal method AM52 (12-8741)  Calibration of certified reference materials (CRM) by ISO 6143:2001 using chromatography (ISO 6975) and gravimetric production method (ISO 6142-1)
	Ethane	0,008 – 0,1	2	
		0,1 – 1	1	
		1 – 10	0,5	
		10 – 14	0,2	
	Propane	0,008 – 0,1	2	
		0,1 – 1	1	
		1 – 8	0,5	
	Isobutane	0,004 – 0,1	2	
		0,1 – 1	1	
		1 – 1,4	0,5	
	n-Butane	0,004 – 0,1	2	
0,1 – 1		1		
1 – 1,4		0,5		

	Isopentane	0,0025 - 0,1	2
		0,1 - 0,6	1
	n- Pentane	0,0025 - 0,1	2
		0,1 - 0,6	1
	Neopentane	0,0007 – 0,001	3
		0,001 – 0,1	2
		0,1 – 0,5	1
	n-Hexane	0,0008 – 0,001	3
		0,001 – 0,1	2
		0,1 – 0,35	1
n-Heptane	0,01 – 0,03	2	
Carbon dioxide	0,04 – 0,1	2	
	0,1 – 1	1	
	1 – 10	0,5	
	10 – 25	0,2	
Nitrogen	0,02 – 0,1	2	
	0,1 – 1	1	
	1 – 10	0,5	
	10 – 25	0,2	
Helium	0,04 – 0,1	2	
	0,1 – 0,4	1	