



Institute of Air Handling and Refrigeration
 Main Department Applied Materials Engineering
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Analysis and Evaluation of Refrigerant Samples

Client:	Phone/Fax:	
Adress / delivery address:	E-Mail protocoll:	
	VAT:	
	E-Mail invoicing:	
PO:	Date of sample collection:	Rating according to DIN 8960? Ja: Nein:
Sample description:		
Refrigerant:	Background information:	
Sample number:		

We herewith instruct and authorise the ILK with the analysis and the evaluation of refrigerant sample(s) from the liquid phase with the following spectrum investigation:

	Ammonia R717	Single-component refrigerant	Refrigerant mixtures with 2 or more components
Lump sum for protocol including sample handling and individual assessment ¹	60 €		60 €
a Water content	150 €		100 €
b High-boiling residues (mass fraction)	60 €		60 €
c Neutralization number / Acidity (Anion determination, IC)	100 €		85 €
d IR from the oil or the organic residues (Requirement: High-boiling residues b)	60 €		60 €
e GC-MS/FID analysis for purity			160 €
f Analysis of the composition of refrigerant mixtures (Requirement: GC-MS/FID analysis for purity e)			70 € *
g Determination of inert gas content and inert gas composition (N ₂ , O ₂ , H ₂)	130 €		130 €
h Disposal of the sample up to 0.5 kg** and cleaning of the refrigerant container	75 €		50 €
i Provision of the refrigerant container and shipment outside Germany			70 € ***)

¹ For sample bottles larger than 10 kg total weight an additional charge of 25 € will be made.

* Per individual component.

** Each additional 0.5 kg of refrigerant plus 50 €.

*** Valid for return within 4 weeks, for each additional week 35 € per container will be charged.

All prices are excl. VAT. We are bound to the above prices from 01.01.2021 to 31.12.2021.

General Terms and Conditions: <https://www.ilkdresden.de/en/company/terms-and-conditions/>

With this order other terms and conditions are excluded. We offer to negotiate payment methods, warranty and liability conditions individually.

Please note and follow the German GGVSEB and the European ADR when sending samples.

Datum / Stempel / Unterschrift
 (Digital ID bei Mailverkehr)

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