

### EMISSION DATA REICATINO®450

#### I.Odour emissions

	without ReiCatino® 450	with ReiCatino® 450
<b>Concentration (GE/m³)</b>	134,550	<b>11,650</b>
<b>Volume flow (m³/h)</b>	180	<b>180</b>
<b>Odour flow (MGE/h)</b>	24.2	<b>2.1</b>
<b>Reduction efficiency</b>		<b>91</b>

Olfactometric analysis at light roasting\*

	without ReiCatino® 450	with ReiCatino® 450
<b>Concentration (GE/m³)</b>	214,990	<b>24,790</b>
<b>Volume flow (m³/h)</b>	180	<b>180</b>
<b>Odour flow (MGE/h)</b>	38.7	<b>4.5</b>
<b>Reduction efficiency</b>		<b>88</b>

Olfactometric analysis at dark roasting\*

\*ReiCatino®450 in combination with Probat P12 roaster  
Extract from file / report-N: 19-06-05-FR , iMA Richter & Röckle, 2019

#### **Please note:**

The data shown is based only on performed measurements. The neutralisation of smoke and odour plumes or compliance with the limit values can only be guaranteed if all success-dependent parameters (volume flow, temperature, degree of roasting, negative pressure and chimney routing) match.

### II. Emission values

	Limit value	without ReiCatino® 450	with ReiCatino® 450*
VOC (mg/Nm³)	50	118	<b>31,7</b>
CO (mg/Nm³)	100	231	<b>81,85</b>

\*Measurement with a Probat P12 roaster in combination with a ReiCatino®450, the process temperature during the measurement was 200°C

Extract from performed measurements

### III. Energy consumption

	Output (kW) (max.)	Price per kWh	Consumption (1 day per 8 hours)	Consumption per year	Costs per day*	Costs per year**
<b>Afterburner</b> (gas)	110	6,43 Cent / kWh	880 kWh/day	228.800 kWh/year	56,58 €/day	14.710,80 €/year
<b>ReiCatino® 450</b> (electricity)	<b>11</b>	<b>20,71 Cent / kWh</b>	<b>88 kWh/day</b>	<b>22.880 kWh/year</b>	<b>18,22 €/day</b>	<b>4.732,20 €/year</b>

Usage: \*8 h daily, \*\*260 days/year (5 working days in 52 weeks)

Please note: the values given are estimates and may vary.

Average cost per kWh of electricity: 20.71 cents | per kWh of gas 6.43 (as at December 2023, excluding VAT)  
Source: Federal Statistical Office

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