

Test Certificate

IKA-Werke GmbH & Co. KG



Janke & Kunkel-Str. 10

79219 Staufen

Germany

We hereby confirm that the

Benzoic Acid
(Charge: 4500204612 / 3033356)

of above-mentioned company was tested according to

ISO 1928 (2009-06) / DIN 51900-3 (2001-05)

and certify a

Gross CV under NIST conditions of 26452 J/g.
Relative Standard Deviation: 0.04 %

30	bar	Oxygen Pressure
1	g	Sample Mass
1	g	Mass of Water
0,33	l	Volume of Bomb
25	°C	Temperature

Gross CV under DIN conditions of 26466 J/g.
Relative Standard Deviation: 0.04 %

30	bar	Oxygen Pressure
1	g	Sample Mass
5	g	Mass of Water
0,26	l	Volume of Bomb
25	°C	Temperature

An overview of the test results determined by the laboratory of Ruhr Lab GmbH is illustrated on the following pages (until page 2). Further information can be requested at Info@ruhr-lab.de.

Daniel Haxter, Managing Director
Ruhr Lab GmbH
Glückaufstr. 56
45896 Gelsenkirchen

Qualification of the Laboratory:
Test Laboratory according to DIN EN ISO/IEC 17025: D-PL-21007-01-00

This Test Report shall not be reproduced except in full, without written approval of the laboratory.

Description of the tested item:

Product: C 723 Benzoic Acid, Tablets (10 mm diameter x 6 mm thick, Mass: 500 mg)
Brand: IKA-Werke GmbH & Co. KG
Charge: 4500204612 / 3033356

Date of receipt:

25.01.2023

Date of Analysis:

25.01.2023-08.02.2023

Test result with units of measurement:

Gross CV under NIST conditions of 26452 J/g. Average of 20 Determinations (40 Tablets).

30	bar	Oxygen Pressure
1	g	Sample Mass
1	g	Mass of Water
0,33	l	Volume of Bomb
25	°C	Temperature

*Test results relate only to the items tested.

Deviations from the test method:

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Information on specific test conditions:

20 Determinations: IKA C 6000, adiabatic method.

Statement on the estimated uncertainty of measurement:

Relative Standard Deviation: 0.04 %

Additional information:

The Certified Reference Material NIST SRM 39j (26.434 J/g) was used for the calibration of the calorimeters.