



# BASF CARBONYL IRON POWDER

can be considered as one preferred source of iron due to its high iron content, well-controlled size distribution, remarkable purity and excellent batch-to-batch consistency

**■ - BASF**

We create chemistry

# BASF CIP: YOUR PREFERRED SOURCE OF IRON

This product is produced and marketed by BASF SE, Ludwigshafen, Germany. The unit producing and marketing this product is certified according to ISO 9001.

Appearance: grey, fine grained powder; mechanically hard, spherical particles

Chemical name: Iron (Fe)

CAS number: 7439-89-6

EINECS number: 231-096-4

Property	Unit	CIP OF	CIP CF	Test Method
Fe	g/100g	min. 97.0	min. 99.5	calculated
C	g/100g	max. 1.3	max. 0.03	IRS(RCA/Q-C 296)
N	g/100g	max. 0.3	max. 0.01	TCD(RCA/Q-C 297)
O	g/100g	max. 1.4	max. 0.23	IRS(RCA/Q-C 297)
Al	mg/kg	max. 10	max. 10	ICP-MS
As	mg/kg	max. 2	max. 2	Hybrid-AAS
B	mg/kg	max. 30	max. 30	ICP-MS
Ca	mg/kg	max. 10	max. 10	ICP-AES
Cd	mg/kg	max. 2	max. 2	ICP-MS
Co	mg/kg	max. 10	max. 10	ICP-MS
Cr	mg/kg	max. 20	max. 20	ICP-AES
Cu	mg/kg	max. 10	max. 10	ICP-MS
Hg	mg/kg	max. 1	max. 1	CV-AAS
Mg	mg/kg	max. 10	max. 10	ICP-MS
Mn	mg/kg	max. 10	max. 10	ICP-AES
Mo	mg/kg	max. 20	max. 20	ICP-AES
Ni	mg/kg	max. 10	max. 10	ICP-AES
P	mg/kg	max. 10	max. 10	ICP-AES
Pb	mg/kg	max. 1	max. 1	ICP-MS
S	mg/kg	max. 10	max. 10	ICP-AES
Se	mg/kg	max. 1	max. 1	Hybrid-AAS
Si	mg/kg	max. 10	max. 10	ICP-AES
Zn	mg/kg	max. 20	max. 20	ICP-MS
Sodium	mg/kg	n.a.	max. 5	F-AAS
Potassium	mg/kg	n.a.	max. 5	F-AAS
Chloride	mg/kg	n.a.	max. 1	IC
Acid insoluble substances	g/100g	max. 0.2	max. 0.2	According FCC

## Particle size distribution

D10	µm	max. 3.5	max. 4.1	Beckman LS 13320 (RCA/Q-C-300)
D50	µm	max. 5.2	max. 9.5	Beckman LS 13320 (RCA/Q-C-300)
D90	µm	max. 23.0	max. 26	Beckman LS 13320 (RCA/Q-C-300)
Screentest > 90 µm	g/100g	max. 0.1	max. 0.1	RCA/Q-C-305



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