

Typical Analysis

SILICON

SILICON METAL

CODE #	GRADES	Si (%min)	Fe	Al	Ca	(Fe+Al+CA)
SM0101	MB00	99.0	0.4	0.5	0.3	1.0
SM0102	MB0	98.7	0.5	0.5	0.3	1.3
SM0103	MB1	98.5	0.5	0.8	0.3	1.5
SM0104	MB2	98.0	0.7	1.0	0.5	2.0

1. SIZE: Over 90% of products are 6-100mm. Negotiations can be held for special specifications.
 2. PACKING: In iron case of 1000 kgs net each; or in plastic woven bags of 50 kgs, 100 kgs, 500 kgs or 1000 kgs net each.
- NOTE: The silicon content is determined by the deduction of total impurities in percentage.

MONO-CRYSTAL SILICON

CODE #	TYPE	GRADES
SM0201	CZ' N-type monocrystal silicon	Transistor class, solar cell class and IC class.
SM0202	CZ' N-type monocrystal silicon	Transistor class, solar cell class and IC class.
SM0203	CZ' N-type monocrystal silicon	
SM0204	CZ' N-type monocrystal silicon	

NOTE: Particular requirements to the products can be met.

POLY-CRYSTALLINE SILICON

CODE #	STANDARD/GRADES	A	B
SM0301	Surface and section appearance	dense crystal, flat surface, and the section without double-layer	
SM0302	Diameter mm	30-65mm	30-65mm
SM0303	N-Type minority carrier life-time "us"	200 OHM/cm min.	100-199 OHM/cm
SM0304	Carbon content atoms/cm ³	0.86-1.36 x 10 ¹⁶ cm ³	0.86-1.36 x 10 ¹⁶ cm ³
SM0305	Oxygen content atoms/cm ³	0.72-1.5 x 10 ¹⁶ cm ³	0.72-1.5 x 10 ¹⁶ cm ³

- NOTE: 1. Resistivity (B) and carbon/oxygen content are a guaranteed value, carbon/oxygen content should be analyzed at a fixed time every year.
2. N-type minority carrier lifetime is the life value of the process check test in the hydrogen.
 3. Both parties can negotiate according to the special requirements of buyers.

PACKING: In wooden box lined with aerated plastic, 50-70 kg net each.

FERRO-SILICON ALLOY

CODE #	Si (%min)	Chemical Compositions (% max)		
		Al	S	P
SM0401	75	2	0.02	0.05
SM0402	Size	10-150 mm 90% min		

PACKING: In plastic woven bag of one mt net each.

SMELTING QUARTZ

CODE #	SiO ₂ (%)	Impurities (max %)		
		Al ₂ O ₃	CaO	Fe ₂ O ₃
SM0501	99.5-99.9	0.001	0.001-0.005	0.001

SIZE: 20-150 mm

PACKING: Negotiated by both parties.

NOTE: Any particular requirements to the product can be met.

ARSENIC

ARSENIC METAL		Impurities (% max)		
CODE #	As	S	Sb	Bi
SM0601	99	0.3	0.4	0.1

TOTAL IMPURITIES: 1.0% max

PACKING: In iron drum with inner plastic bag of 50 kgs net each.

ARSENIC TRIOXIDE

CODE #	SPECIFICATIONS:
SM0701	As ₂ O ₃ 98%min; 99% min

PACKING: Well sealed in plastic bag of 25 kgs net each encased in iron drum marked with "Poisonous."

*** ALL INFORMATION IS FOR REFERENCE ONLY, NOT TO BE USED AS INCOMING PRODUCTS SPECIFICATIONS ***

NON-FERROUS METALS