

Task:**Application field:** Mineralogy / Metallurgy**Material:** Iron Ore**Feed size:** 0-20 mm**Feed quantity:** 4400 g**Material specification(s):** hard**Customer requirement(s):** Sieving with AS 450**Subsequent analysis:** Particle Size Analysis**Solution:****Selected instrument(s):** Sieve Shaker AS 450**Configuration(s):** Sieves Ø 400 mm, height 65 mm acc. to ISO 3310-1; aperture sizes 63 / 160 / 200 / 500 µm, 1.0 / 2.0 / 5.0 / 10.0 / 20.0 mm**Parameter(s):** Amplitude 1.8 mm, Interval 10 sec**Time:** 5 min.**Achieved result(s):** see test report EasySieve**Remark(s):** A representative part sample of 4.4 kg has been taken from the whole sample amount of about 18 kg using a Sample Splitter RT 37.5.**Recommendation:** The Sieve Shaker AS 450 is suitable to analyse the sample material under the above mentioned conditions.

12586_Iron Ore

Company:

User:

Result file:

C:\ProgramData\EasySieve\SIEVEDAT\12586_Iron Ore\12586_Iron Ore_001.rdf

Task file:

Iron Ore.afg

Size classes file:

Iron Ore.gkl

Date:

7.10.2009 16:22

Sieving duration [mm:ss]:

05:00

Sieve machine:

AS 450 control

Amplitude [mm]:

1.8

Interval working

Interval time [s]:

10.0

Manual input

Material:

Iron Ore

Sample quantity [g]:

4408.70

Sum loaded sieve weights [g]: 4407.80

Sieve loss [%]:

0.02

Sampling:

None

Sample preparation:

No sample preparation

Sieve method:

three-dimensional AS 450

Sieve diameter:

400 x 65 mm

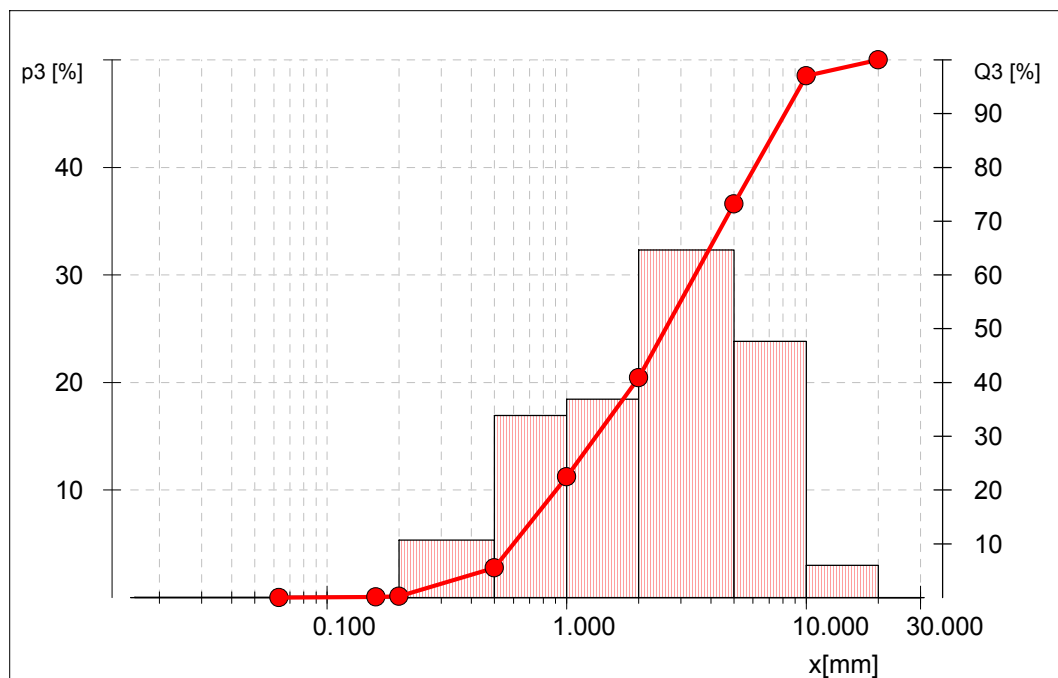
Sieves according to standard: DIN ISO 3310-1

Sieving aids:

No sieving aids

Comment:

Size class [mm]	p3 [%]	Q3 [%]
< 0.063	0.0	0.0
0.063 - 0.160	0.1	0.1
0.160 - 0.200	0.1	0.2
0.200 - 0.500	5.3	5.5
0.500 - 1.000	16.9	22.4
1.000 - 2.000	18.4	40.9
2.000 - 5.000	32.3	73.2
5.000 - 10.000	23.8	97.0
10.000 - 20.000	3.0	100.0
> 20.000	0.0	100.0



Characteristics:

Q3 [%]	x [mm]
10.0	0.632
50.0	2.846
90.0	8.530

User: