

Task:**Application field:** Mineralogy / Metallurgy**Material:** Carbon, coke, total quantity approx. 5400 g**Feed size:** 0-20 mm**Feed quantity:** 1350 g (after dividing process with sample splitter RT 37.5)**Material specification(s):** hard, dry**Customer requirement(s):** Sieve analysis, fraction from 32 - 13200 µm**Subsequent analysis:** not defined**Solution:****Selected instrument(s):** Sieve Shaker AS 300 control
Sample Splitter RT 37.5**Configuration(s):** Test sieves acc. to ISO 3010-1, 305 x 50 mm:
Mesh size: 63 / 125 / 250 / 630 µm, 1.25 / 2.5 / 5.0 / 10.0 / 20.0 mm**Parameter(s):** Amplitude 1.3 mm, intervall mode 10 s**Time:** 10 min.**Achieved result(s):** see protocol "EasySieve"**Remark(s):** The total material quantity was divided by a sample splitter RT 37.5 in two steps, until the quantity for sieving was reached.**Recommendation:** For sieve analysis of coarse and dry coke and carbon material, the Sieve Shaker AS 300 control is suitable under the above mentioned conditions. The evaluation was done under the frame of the software "EasySieve"

RETSCH Sieve Analysis

Company:	Helmut Pitsch		
User:	C:\Program Files\EasySieve26\SIEVEDAT\11544\11544_001.rdf	Size classes file:	11544.gkl
Result file:	11544.afg	Sieving duration [min]:	10
Task file:	26.10.2006 10:52	Amplitude [mm]:	1.3
Date:	AS 300 control	Interval time[s]:	10.0
Sieve machine:			
Interval working			

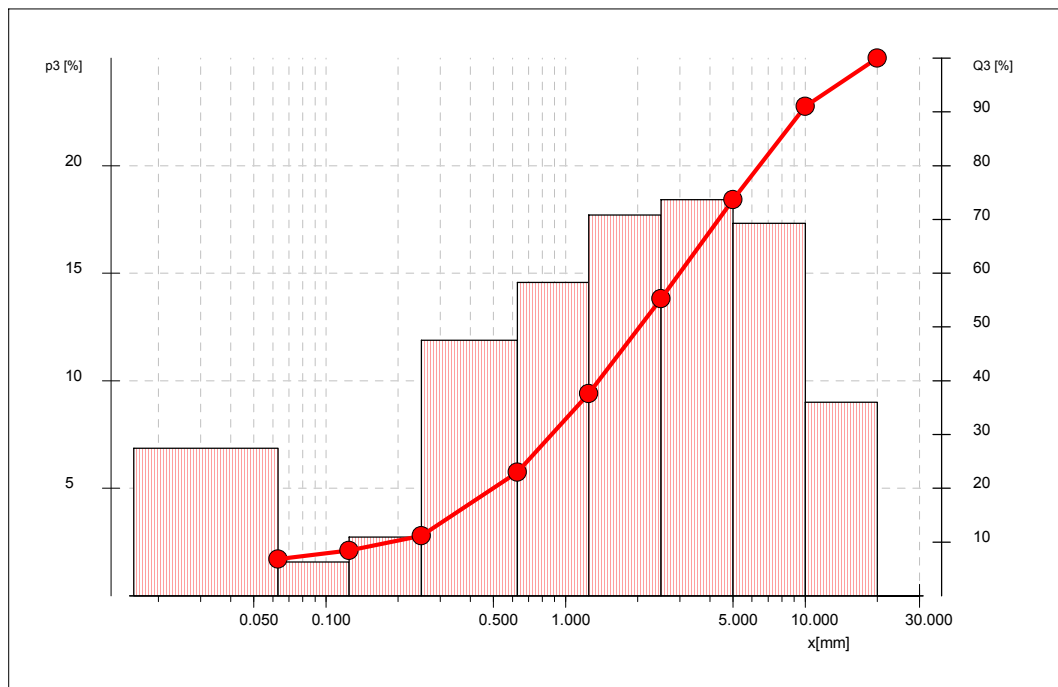
Material: Coke, Carbon

Sample quantity [g]: 1345.90
Sieve loss [%]: 0.05

Sum loaded sieve weights [g]: 1345.20

Sampling: three-dimensional AS300
Sieve method: Sieves according to standard: DIN ISO 3310-1
Comment:Sample preparation: Sample dividing by RT 37.5
Sieve diameter: 305 x 50 mm
Sieving aids: No sieving aids

Size class [mm]		p3 [%]	Q3 [%]
<	0.063	6.9	6.9
0.063 -	0.125	1.6	8.4
0.125 -	0.250	2.7	11.1
0.250 -	0.630	11.9	23.0
0.630 -	1.250	14.6	37.6
1.250 -	2.500	17.7	55.3
2.500 -	5.000	18.4	73.7
5.000 -	10.000	17.3	91.0
10.000 -	20.000	9.0	100.0
> 20.000		0.0	100.0



Characteristics:

Q3 [%]	x [mm]
10.0	0.197
50.0	2.127
90.0	9.710

User: