

WORKING SHEET
DETERMINATION OF WATER CONTENT BY DRYING
IN A DRYER WITH VENTILATION
according to PB / 2/2



Report number: 290321/1
 Declared fraction: 0,0-0,6
 Other information:

Date: 29.03.2021

1. Visual inspection of the apparatus used in the test (listed in point 3):

YES NO

2. Examination:

Tested parameter	Sample
Cell number	1
Dish mass M_2 , [g]	115,00
Dish mass + wet sample mass, [g]	215,00
Analytical sample mass M_1 , [g]	100,00
Weighing 1 Dish mass + dry analytical sample mass, [g]	214,50
Mass difference between two subsequent weighings, [g]	0,50
Weighing 2 Dish mass + dry analytical sample mass, [g]	214,40
Mass difference between two subsequent weighings, [g]	0,00
Weighing 3 Dish mass + dry analytical sample mass, [g]	214,40
Dry analytical sample mass M_3 , [g]	99,40
Humidity, % (m/m) $w = \frac{M_1 - M_3}{M_3} \cdot 100$	0,60

The weight of the POWDER sample should be 100 g
 The water content should be determined in accordance with PN-EN 1097-5, taking into account the change in sample drying temperature to constant mass, which for SBR should be 60 ± 3 ° C.

3. Apparatus used:

Apparatus	Inventory number / Control instruction number
Laboratory scales	WG01
Laboratory dryer	SW1250

The weight of the sample, expressed in grams, should be 100 g

4. Comments:

The mass difference between two successive weighings must be less than 0.1%.

Examination made / date:
 Marcin Cyprian Ćwir
 29.03.2021r.



Examination authorized / date:
 Dariusz Wołkowski
 29.03.2021r.

**WORKING SHEET
DETERMINATION OF HEAVY POLLUTION SEDIMENTATION IN
POWDER IN ACCORDANCE WITH PB / 2/4**



Report number: 290321/1

Date: 29.03.2021

Declared fraction: 0,0-0,6

Other information:

1. Visual inspection of the apparatus used in the test (listed in point 3):

YES

NO

2. Examination:

Tested parameter				
Analytical sample mass, m_{gum} , [g]	50,00			
Weight of empty petri dish, m_0 , g	115,00			
Mass of Petri dish with beaker content m_1 , [g]	115,20			
Subsequent masses of the Petri dish after moving the magnet	115,20	115,20	115,20	115,20
The assumed mass of the Petri dish after moving the magnet m_2 , [g]	115,20			
The content of metal parts m_{met} , [g] $m_{\text{met}} = m_1 - m_2$	0,00			
Mineral content m_{min} , [g] $m_{\text{min}} = m_2 - m_0$	0,20			
Percentage of mineral content in the analytical sample, [%] $m_{\text{mineral}(\%)} = (m_{\text{mineral}} / m_{\text{gum}}) * 100\%$	0,40			
Percentage of metal parts in the analytical sample, [%] $m_{\text{metal}(\%)} = (m_{\text{metal}} / m_{\text{gum}}) * 100\%$	0,00			

3. Apparatus used:

Apparatus	Inventory number / Control instruction number
Laboratory dryer	SW1250
Electronic stirrer	RE007
Laboratory scales	WG01
Phase separator	RE006

The weight of the sample, expressed in grams, should be 50 g

Examination made / date:

Marcin Cyprian Ćwir
29.03.2021r.

Examination authorized / date:

Dariusz Wojtkowski
29.03.2021r.

WORKING SHEET
DETERMINATION OF POWDER DENSITY PB / 2/6



Report number: 290321/1 Date: 29.03.2021
 Declared fraction: 0,0-0,6
 Liquid used: Denaturant Temperature °C: 25
 Other information:

1. Visual inspection of the apparatus used in the test (listed in point 3):

YES NO

2. Examination:

Tested parameter	Sample
Pycnometer No.	1
Pycnometer weight with attachment p_1 , [g]	402,6
Pycnometer weight with attachment + POWDER p_2 , [g]	452,6
Pycnometer weight with attachment + POWDER + denaturant p_3 , [g]	956,4
Denatured mass p , [g] $p = p_3 - p_2$	503,8
POWDER mass p_4 , [g] $p_4 = p_2 - p_1$	50,0
Test temperature t , [°C]	25
Denatured density at 25 °C ρ_{den} , [Mg/m ³]	0,8159
Pycnometer volume V_{pikn} , [m ³]	0,0006645
POWDER density ρ_{gum} , [Mg/m ³] $\rho_{gum} = \frac{p_2 - p_1}{10^6 * V_{pikn} - (p_3 - p_2) / \rho_{den}}$	1,063

3. Apparatus used:

Apparatus	Inventory number / Control instruction number
Laboratory dryer	SW1250
Laboratory scales	WG01
Water bath	RE001
Pycnometer	1

The weight of the sample, expressed in grams, should be 100 g

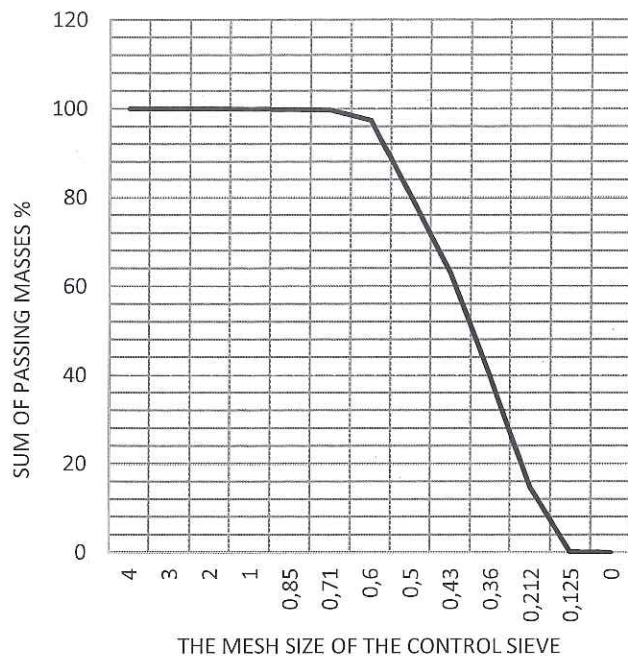
Examination made / date: Marcin Cyprian Ćwir 29.03.2021r.		Examination authorized / date: Dariusz Wojtkowski 29.03.2021r.
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RUBBER POWDER TEST REPORT ACCORDING TO RESEARCH PROCEDURES RECYKL S.A.

Report number: 290321/1 Date: 29.03.2021
 Declared fraction: 0,0-0,6
 Date / time sampling: 29.03.2021 Place of sampling: Bag
 Other information:

Determination of the Powder composition according to PB / 2/10:

The mesh size of the control sieve	Percentage of material remaining $R_i / M_0 \times 100$	Total Percentage Remaining on the sieve	Sum of passing masses %
mm	% (m/m)	% (m/m)	% (m/m)
4,0	0,0	0,0	100
3	0,0	0,0	100
2,0	0,0	0,0	100
1,0	0,0	0,0	99,9
0,9	0,1	0,1	99,8
0,7	0,3	0,4	99,7
0,6	2,0	2,4	97,3
0,5	25,5	27,9	80,5
0,43	25,0	52,9	63,1
0,36	18,5	71,4	39,6
0,212	24,8	96,2	14,7
0,125	3,8	100,0	0,1
0	0,0	100,0	0
Sum	100,0		



Powder Research:

Feature examined	Research Procedure	Score
Water content, [%]	PB/2/2	0,60
Fiber content, [%]	PB/2/8	0,70
Mineral content, [%]	PB/2/4	0,40
Content of metallic parts, [%]		0,00
Density, Mg/m ³	PB/2/6	1,063

Comments:

Examination made / date:
 Marcin Cyprian Ćwir
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