



**PRODUCT SHEET**

**Title** **MIBARI®**  
Fractionated microbarite  
of the SUPER serie

**Standard** TU 1769-002-40705684-2001

**Grades** MIBARI® 15-96 | 10-96 | 05-96 | 01-96  
15-98 | 10-98 | 05-98 | 03-98



MIBARI® 01-98



MIBARI® 03-96

**Manufacturer** GEOKOM, ZAO, Russia, Kaluga oblast,  
p. Polotnyaniy Zavod, ul. Slobodka, 111A,  
tel/fax (+08434) 32412, 46006

**Product description** fine dry powder of white color

**Mineral formula** barite / natural barium sulphate

**Chemical formula**

BaSO<sub>4</sub> 97÷99%  
CaCO<sub>3</sub> 0,2÷0,5%  
Fe<sub>2</sub>O<sub>3</sub> 0,04÷0,1%  
SiO<sub>2</sub> 0,5÷2,0%

Water-soluble salts < 0,1%

**Physical and other  
parameters**

Density, g/cm<sup>3</sup> 4,3÷4,5  
Hardness (Mohs) 3  
Refractive Index 1,64  
pH Index 8÷9  
Humidity < 0,2

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### Technological quality parameters MIBARI® microbarite of the SUPER serie

Parameter	MIBARI®				
	15-98/96	10-98/96	05-98/96	03-98/96	01-98/96
Chromatic preferences:					
whiteness CIELab (ISO 787/1, C/2°), %	97,5/96	97,5/96	98/96	98/96	98/96
lightness (L) CIELab, %	98/97	98/97	98,5/97	98,5/97	98,5/97
brightness DIN 53163 (R <sub>v</sub> , C/2°), %	95/93	95/93	96/93	96/93	96/93
yellowness ASTM D1925-70 (C/2°), %	3,5/4	3,5/4	2,5/4	2,5/4	2,5/4
brightness ISO 2470 (R <sub>457</sub> ), %	93,5/90	93,5/90	94/90	94/90	94/90
whiteness ISO 11475 (D <sub>65</sub> /10°), %	88/85	88/85	91/85	91/85	91/85
Fraction of total mass of screening residue N0045 (ISO 787/5), %	5	0,1	0,05	0,02	0,00
Top cut, % (Microsizer-201A):					
less 20 µm	80	85	95	98	
less 15 µm	50	70	90	95	
less 10 µm	40	50	75	85	98
less 5 µm	25	35	50	65	90
less 2 µm	15	20	30	35	60
Average particle size distribution, µm (Microsizer-201A):					
medium (D <sub>50</sub> )	15	10	5	3	1,5
maximum (D <sub>98</sub> )	50	28	20	14	8
minimum (D <sub>10</sub> )	4,5	1,6	1	0,9	0,7
Oil absorption (ISO 787/5), g/100 g	7	8	10	13	15
DOP-absorption (ISO 787/5), g/100 g	10	11	14	17	20
Density (ISO 787/11), g/cm <sup>3</sup> after packing	1,5÷1,7 1,7÷1,9	1,5÷1,7 1,6÷1,8	1,2÷1,4 1,4÷1,6	1,1÷1,2 1,2÷1,4	0,8÷0,9 1,0÷1,1

#### Package:

- Plastic bags 250 ÷1000 kg;
- Valvular paper bags 10 ÷50 kg on pallets (to 1200 kg) using special protective materials for transportation.

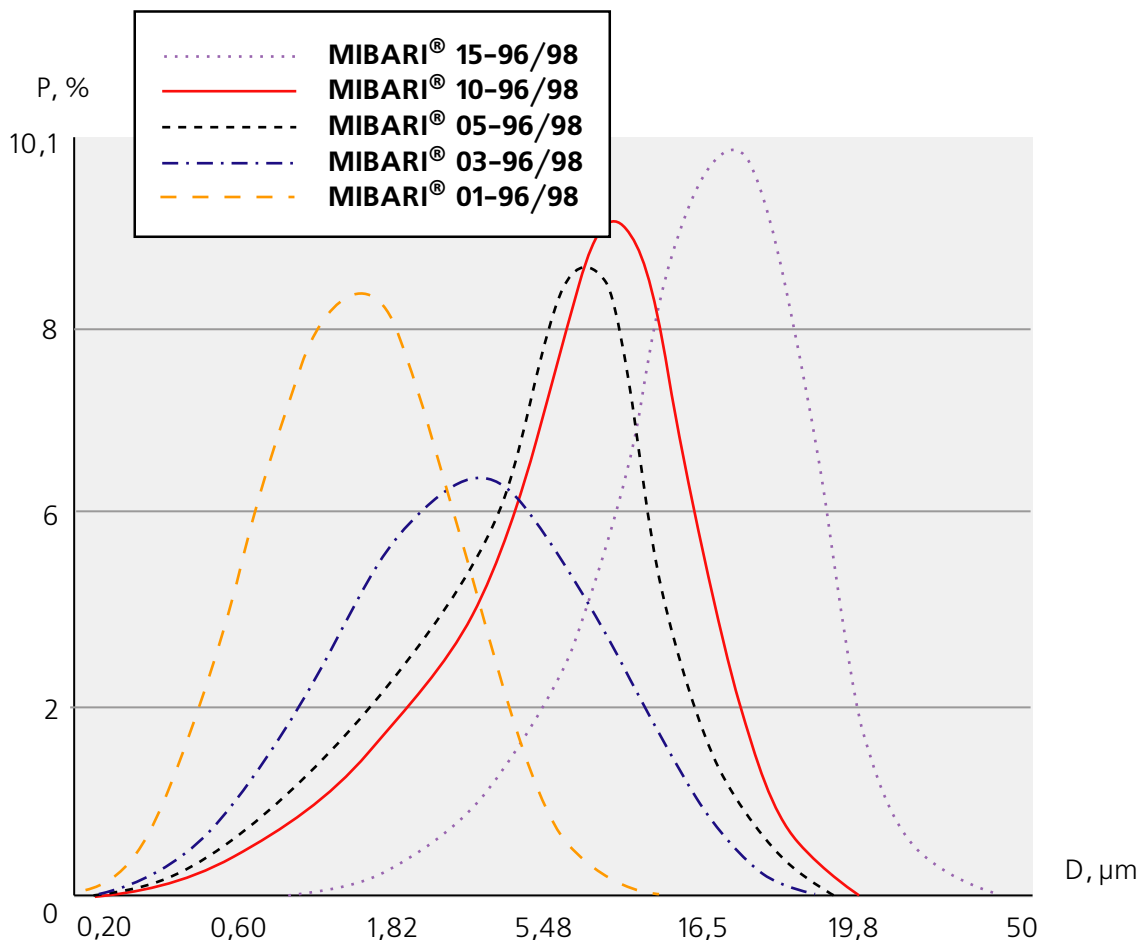
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**Typical weights distribution**



The technical data listed corresponds to actual production regulations and are confirmed by regular tests made by the manufacturer. It is typical to the maximum, but can not be construed as an obligatory specification. It is subject of testing if intolerable transportation or after-sale storage conditions have been supposed. This technical information can be corrected without any prior notices because of new production technologies or state regulations.

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