

# Material Analysis Sheet

## MIRROBOR™

High Boron Content Flexible Neutron Shielding

Project: T509

**MIRROBOR™ mass composition:** main substance (80%) + additive (20%)

### Chemical composition of main substance:

Component	Specification [wt %]	Actual [wt %]
B <sub>4</sub> C	> 95	96,70
Component B of B <sub>4</sub> C	-	76,58
Component C of B <sub>4</sub> C	-	20,12
Other B, C	> 3	1,95
Fe	< 0,5	0,22
Other	< 1,5	1,13

### Chemical composition of additive:

Component	(wt %)
Carbon [C]	70
Oxygen [O]	25
Hydrogen [H]	5