

## CERTIFICATE OF ANALYSIS

according to EN 10 204 - 3.1

<b>Material:</b>	Zirconium Acetate Solution 30%		
<b>Customer:</b>	BASF Corporation, USA		
<b>Quantity:</b>	14500 kg	<b>Date of delivery:</b>	2018/04/17
<b>P.O. No.:</b>		<b>Reference No.:</b>	1500001569
<b>G-PS No.:</b>	0158 Rev. 17	<b>Part No.:</b>	500057231

<b>Lot-No.:</b>	BZRAC01/18	<b>Specification TIAG:</b> K-577-SE, R0
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	Results		Limits of specification	
Na	< 0,01	max.	0,03	%
Cl	< 0,01	max.	0,01	%
K	< 0,01	max.	0,01	%
Cr	< 1	max.	10	ppm
Nb	< 2	max.	100	ppm
Cd	< 1	max.	10	ppm
Yb	< 1	max.	100	ppm
Lu	< 1	max.	100	ppm
Re	< 1	max.	100	ppm
Hg	< 1	max.	10	ppm
Pb	< 1	max.	10	ppm
SiO <sub>2</sub>	< 0,01	max.	0,07	%
TiO <sub>2</sub>	< 0,01	max.	0,15	%
Fe <sub>2</sub> O <sub>3</sub>	< 0,01	max.	0,01	%
Y <sub>2</sub> O <sub>3</sub>	< 1	max.	200	ppm
HfO <sub>2</sub>	0,5	max.	0,9	%
<b>physical data</b>				
Specific density	1,46		1,41 – 1,49	g/cm <sup>3</sup>
Solids (ZrO <sub>2</sub> + HfO <sub>2</sub> )	30,2		29,5 – 30,5	%
pH-value	3,4		3,0 – 3,5	

The above mentioned product was analyzed and meets the specification

