



## ANALYSIS REPORT

NAME OF FIRM : AK-KİM KİMYA SAN VE TİC. A.Ş.  
ADRESS OF FIRM : Taşköprü mevkii PK.39 YALOVA  
KIND OF SAMPLE : AK-KİM KİMYA SANAYİ VE TİCARET A.Ş. "Sodium Metabisulfite Sample"  
TYPE OF PACKING : covered bottle  
AMOUNT OF SAMPLE : 1 unit  
LOT NUMBER : 142  
DATE/TIME OF FIRM : November 03,2011/14:53  
DATE OF ANALYSIS : November 03/2011,21/ 2011  
DATE OF REPORT : November 21/2011  
REPORT NUMBER : R0110709  
PAGE NUMBER : 1/1

The analysis have been completed on the AK-KİM KİMYA SAN VE TİC A.Ş. " Sodium metabisulfite" sample which was delivered on November 03,2011 the results and analysis details are given below. Measurements are performed on our accredited laboratory by TSE-Turkish Standart Institution and Aqua Check-UK, in compliance with the standards such as APHA, ASTM, EPA, FAO; AOAC,UMA, USP, BSI. Instruments, materials and equipments are used which have quality and precision specified in the literature.

### RESULTS:

<u>Analysis Parameter</u>	<u>Results</u>	<u>Measurement Precision</u>	<u>±RSD</u>	<u>Method</u>
<b>Heavy Metals</b>				
Arsenic	0,48 ppm	0,002 ppm	0,03 ppm	ICP/MS/FIMS
Lead	0,48 ppm	0,002 ppm	0,02 ppm	ICP/MS/FIMS
Cadmium	0,041 ppm	0,002 ppm	0,001 ppm	ICP/MS/FIMS
Mercury	0,012 ppm	0,002 ppm	0,002 ppm	ICP/MS/FIMS
<b>Dioxins (PCDD/PCDF)</b>				
PCB-1016	< 1,0 ppb	0,2 ppb	0,1 ppb	HRGC/HRMS
PCB-1221	< 1,0 ppb	0,2 ppb	0,1 ppb	HRGC/HRMS
PCB-1232	< 1,0 ppb	0,2 ppb	0,1 ppb	HRGC/HRMS
PCB-1242	< 1,0 ppb	0,2 ppb	0,1 ppb	HRGC/HRMS
PCB-1254	< 1,0 ppb	0,2 ppb	0,1 ppb	HRGC/HRMS
<b>Dioxin und dioxin like PCB</b>				
Dioxin 2.3.7.8	< 1,0 ppb	0,2 ppb	0,1 ppb	HRGC/HRMS
Dioxin 1.2.3.7.8	< 1,0 ppb	0,2 ppb	0,1 ppb	HRGC/HRMS
Dioxin 1.2.3.6.7.8	< 1,0 ppb	0,2 ppb	0,1 ppb	HRGC/HRMS
EWL-animal compounds	not detected	not detected	126/2003/EC, mikro-macroscop	
Salmonella	negative		TSE and EPA, microbiological	

AK-KİM KİMYA SANAYİ VE TİCARET A.Ş. "Sodium Metabisulfite Sample" meets the criteria for usage in feed applications (as related analysis)

Remain

Dr. Recep DÜRO  
Chemistry Engineer  
General Director

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