

**T.C**  
**EGE UNIVERSITY**  
**CIRCULATING CAPITAL ENTERPRISE**

**Subject:** Suitability Test of Non-Metallic Materials for use in Contact with Water Intended for Human Consumption to BS.6920-1 Standard

**Report Number:** 16022307

**Report Date :** 15 March 2016

**R E P O R T**

The non-metallic material for use in contact with water intended for human consumption supplied by **ISONEM YAPI KIM. ve BOYA SAN.TIC.LTD.STI** on 23 February 2016 were analyzed according to BS 6920-1 standard method. The results were given as follows:

Element	Maximum allowable concentration	Blank	First day of water contact	Seventh day of water contact
	$\mu\text{g /L}$	$\mu\text{g /L}$	$\mu\text{g /L}$	$\mu\text{g /L}$
Ag	10	<LOD*	1.47	0.57
Al	200	10.80	43.50	13.84
As	10	6.84	7.10	6.35
Ba	1000	276.60	250.80	260.90
Cd	5	<LOD*	<LOD*	<LOD*
Cr	50	1.68	8.13	3.65
Fe	200	34.35	23.47	23.53
Hg	1	<LOD*	<LOD*	<LOD*
Mn	50	<LOD*	0.60	<LOD*
Ni	20	2.34	2.19	1.87
Pb	25	0.82	15.77	<LOD*
Se	10	0.96	2.01	1.49
Sb	5	<LOD*	<LOD*	<LOD*

(<LOD\* :Below Limit of Detection (0.5  $\mu\text{g /L}$ )

**Decision of Report:** Since all of the obtained values for ISONEM MD 28 material are below the maximum allowable concentration of certain elements according to BS 6920-1; the **ISONEM MD 28** material is suitable for use in contact with water intended for human consumption.

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