



ИНСТИТУТ ЗА ОПШТУ И ФИЗИЧКУ ХЕМИЈУ
INSTITUTE OF GENERAL AND PHYSICAL CHEMISTRY

Belgrade, 12.08.2019.

Adeco doo
attn: Mirela Pušić
Temerinski put 109
21127 Novi Sad

Dear Mirela,
on 08/08/2019. day we received a sample of the product AD Blue and quality specification for product. Enclosed please find the results of our analysis:

	<u>AdBlue</u> <u>Broj partije 917/918</u> <u>Skladišni rezervoar R-15</u>	<u>Reference</u> <u>values</u>	<u>Methods</u>
<u>Turbidity</u>	0.00	max 1 (bistro)	SRPS EN ISO 7027
<u>pH 10%</u>	8.5	-	UP 09/PC12
<u>Urea in %</u>	32.5	31.8-33.2	ISO 22241-2
<u>Density</u>	1090	1087-1093	SRPS H.B8.030
<u>Refractive index</u>	1.3842	1.3814-1.3843	ISO 22241-2
<u>Alkalinity as NH₃</u>	≤0.01	max 0.2	ISO 22241-2
<u>Biuret %</u>	0.05	max 0.3	ISO 22241-2
<u>Aldehydes ppm</u>	≤0.1	max 5	ASTM E2313-08
<u>Insoluble in ppm</u>	8.0	max 20	ISO 22241-2
<u>Phosphate ppm</u>	≤0.05	max 0.5	EPA 300.0
<u>Al ppm</u>	≤0.05	max 0.5	SRPS ISO 15586
<u>Ca ppm</u>	0.11	max 0.5	ISO 14911
<u>Fe ppm</u>	0.10	max 0.5	SRPS ISO 15586
<u>Cu ppm</u>	0.12	max 0.2	SRPS ISO 15586
<u>Zn ppm</u>	0.14	max 0.2	SRPS ISO 15586
<u>Cr ppm</u>	0.11	max 0.2	SRPS ISO 15586
<u>Ni ppm</u>	0.13	max 0.2	SRPS ISO 15586
<u>Mg ppm</u>	0.10	max 0.5	ISO 14911
<u>Na ppm</u>	0.13	max 0.5	ISO 14911
<u>K ppm</u>	0.15	max 0.5	ISO 14911

Conclusion

Delivered products sample meets the specifications.

We sincerely hope that this information will help in future work
Best regards

A. Radulović



S. Blagojević

dr A. Radulović, Head of Lab

dr S. Blagojević, general manager

