Republic of Bulgaria
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 227

Sofia, 06.06.2023

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies, in connection with item 5.3.1 of the BAS QR 2 Accreditation Procedure, report BAS QF 2.9.5.5 reg. № 408/271 ЛИ/5/В/18.05.2023 and EA BAS order reg. № A 226/06.06.2023, I hereby

AMEND

EA BAS order reg. № A 173/13.04.2023 an integral part of certificate of accreditation reg. № 271 ЛИ/13.04.2023, valid until 13.04.2027, as follows:

Gips Koshava AD
Construction testing laboratory

Management and laboratory address:
3771 Koshava, Vidin Region, Vidin Municipality, 1 Road 1221,

To perform testing of:

Type of the scope: *flexible for part of the scope*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	**2**	**3**	**4**
1.	Gypsum	1.1 foreign bodies content	БДС 17409, cl.7.1
		1.2 humidity content	БДС 17409, cl.7.3
		1.3 crystallized water content	БДС 17409, cl.7.4
		1.4 calcium sulphate dehydrate content	БДС 17409, cl.7.5
2.	Gypsum in construction /plaster	2.1 fineness - residue on a sieve	БДС EN 13279-2, cl.4.1
		2.2 water/adhesive ratio	БДС EN 13279-2, cl.4.3.1; cl.4.3.2
		2.3 setting time	БДС EN 13279-2, cl.4.4.1; cl.4.4.2
		2.4 compressive strength	БДС EN 13279-2, cl.4.5.5
		2.5 flexural strength	БДС EN 13279-2, cl.4.5.4
		2.6 calcium sulphate content	БДС EN 13279-2, cl.4.2
3.	Moulding gypsum	3.1 fineness - residue on a sieve	БДС EN 13279-2, cl.4.1
		3.2 water/adhesive ratio	БДС EN 13279-2, cl.4.3.2
		3.3 setting time	БДС EN 13279-2, cl.4.4.2
		3.4 compressive strength	БДС EN 13279-2, cl.4.5.5
		3.5 flexural strength	БДС EN 13279-2, cl.4.5.4

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Type of the scope: *flexible for part of the scope*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	**2**	**3**	**4**
		3.6 calcium sulphate content	БДС EN 13279-2, cl.4.2
4.	Gypsum in dentistry	4.1 setting time	БДС EN ISO 16873, cl.7.3
		4.2 linear setting expansion	БДС EN ISO 16873, cl.7.4
		4.3 compressive strength	БДС EN ISO 16873, cl.7.6
5.	Putty. Plaster	5.1 fineness - residue on a sieve	БДС EN 13279-2, cl.4.1
		5.2 water/adhesive ratio	БДС EN 13279-2, cl.4.3.2, cl.4.3.3
		5.3 setting time	БДС EN 13279-2, cl.4.4.2
		5.4 compressive strength	БДС EN 13279-2, cl.4.5.5
		5.5 flexural strength	БДС EN 13279-2, cl.4.5.4
		5.6 bond strength	БДС EN 13279-2, cl.4.6
		5.7 content of calcium sulphate	БДС EN 13279-2, cl.4.2
6.	Adhesive gypsum	6.1 fineness - residue on a sieve	БДС EN 13279-2, cl.4.1
		6.2 water/adhesive ratio	БДС EN 13279-2, cl.4.3.2
		6.3 setting time	БДС EN 13279-2, cl.4.4.2
		6.4 compressive strength	БДС EN 13279-2, cl.4.5.5
		6.5 flexural strength	БДС EN 13279-2, cl.4.5.4
		6.6 adherence strength	БДС EN 12860, cl. 6.7
		6.7 content of sulphur trioxide	БДС EN 13279-2, cl.4.2
7.	Gypsum based adhesive for gypsum boards	7.1 water/adhesive ratio	БДС EN 13279-2, cl.4.3.2
		7.2 calcium sulphate content	БДС EN 13279-2, cl.4.2
		7.3 utilization time	БДС EN 14496, cl.4.5
		7.4 bond strength	БДС EN 14496, cl.4.6
8.	Binders for floor screeds based on calcium sulphate	8.1 calcium sulphate content	БДС EN 13454 -2+A1, cl.4.1
		8.2 setting time	БДС EN 13454-2+A1, cl.4.3
		8.3 compressive strength	БДС EN 13454-2+A1, cl.4.4
		8.4 flexural strength	БДС EN 13454-2+A1, cl.4.4
		8.5 determination of shrinkage and swelling	БДС EN 13454-2+A1, cl.4.5
9.	Cementitious adhesives	9.1initial tensile adhesion strength	БДС EN 12004-2, cl.8.3.3.2
		9.2 tensile adhesion strength after immersion	БДС EN 12004-2, cl.8.3.3.3
		9.3 tensile adhesion strength after heat ageing	БДС EN 12004-2, cl.8.3.3.4
		9.4 tensile adhesion strength after freeze-thaw cycle	БДС EN 12004-2, cl.8.3.3.5
10.	Water - refuse	10.1biochemical oxygen demand after five days	БДС EN 1899-2
		10.2 chemical need for oxygen	*ВЛМИ 03 MN:2014
		10.3 nitrogen $_{total}$	*ВЛМИ 08 MN22:2014
		10.4 phosphorus $_{total}$	*ВЛМИ 09 MN:2014
		10.5 chlorides	*ВЛМИ 02 MN470:2014
		10.6 sulphates	*ВЛМИ 07 MN436:2014
		10.7 petroleum products	*ВЛМИ 10 MN057:2014
		10.8 total dry residue	БДС 17.1.4.04
		10.9 dissolved substances	БДС 17.1.4.04
		10.10 undissolved substances	БДС 17.1.4.04
		10.11 active reaction pH	БДС EN ISO 10523
		10.12 electrical conductivity	БДС EN 27888
		10.13 fats	*ВЛМИ 11:2015
		10.14 total extracted substances	*ВЛМИ 11:2015
		10.15 detergents	*ВЛМИ 13:2015
		10.16 temperature	БДС 8451, cl.5

Type of the scope: *flexible for part of the scope*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	**2**	**3**	**4**
		10.17 iron $_{total}$	*ВЛМИ 23:2015
		10.18 manganese	*ВЛМИ 04 MN470:2014
		10.19 zinc	*ВЛМИ 15:2015
11.	Water-subterranean	11.1 electrical conductivity	БДС EN 27888
		11.2 dissolved oxygen concentration	БДС EN ISO 5814
		11.3 ammonium ion	*ВЛМИ 01 MN690:2014
		11.4 nitrates	*ВЛМИ 05 MN06:2015
		11.5 chlorides	*ВЛМИ 02 MN470:2014
		11.6 sulphates	*ВЛМИ 07 MN436:2014
		11.7 active reaction pH	БДС EN ISO 10523
		11.8 nitrites	*ВЛМИ 06 MN540:2015
		11.9 cuprum	*ВЛМИ 19:2015
		11.10 zinc	*ВЛМИ 15:2015
		11.11 iron $_{total}$	*ВЛМИ 23:2015
		11.12 aluminium	*ВЛМИ 25:2015
12.	Water - for drinking and household needs	12.1 active reaction pH	БДС EN ISO 10523
		12.2 dissolved oxygen concentration	БДС EN ISO 5814
		12.3 ammonium ion	*ВЛМИ 01 MN690:2015
		12.4 nitrates	*ВЛМИ 05 MN06:2015
		12.5 nitrites	*ВЛМИ 06 MN540:2015
		12.6 manganese	*ВЛМИ 04 MN470:2014
		12.7 chlorides	*ВЛМИ 02 MN470:2014
		12.8 sulphates	*ВЛМИ 07 MN436:2014
		12.9 dry residue	БДС 3546
		12.10 scent	БДС 8451, cl.4
		12.11 taste	БДС 8451, cl.3
		12.12 temperature	БДС 8451, cl.5
		12.13 iron $_{total}$	*ВЛМИ 23:2015
		12.14 total hardness	БДС 3775
		12.15 oxidation (permanganate)	БДС 3413
13.	Water – superficial	13.1 active reaction pH	БДС EN ISO 10523
		13.2 dissolved oxygen concentration	БДС EN ISO 5814
		13.3 iron $_{total}$	*ВЛМИ 08 MN22:2014
		13.4 phosphorus $_{total}$	*ВЛМИ 09 MN:2014
		13.5 petroleum products	*ВЛМИ 10 MN057:2014
		13.6 electrical conductivity	*ВЛМИ EN 27888
		13.7 biochemical oxygen demand after five days	ВЛМИ EN 1899-2
		13.8 nitrogen – nitrate	*ВЛМИ 06 MN540:2015
		13.9 nitrogen – nitrate	*ВЛМИ 05 MN06:2015
		13.10 nitrogen – ammonia	*ВЛМИ 01 MN690:2015
		13.11cuprim	*ВЛМИ 19:2015
		13.12 zinc	*ВЛМИ 15:2015
		13.13 iron $_{total}$	*ВЛМИ 23:2015
		13.14 aluminium	*ВЛМИ 25:2015
		13.15 manganese	*ВЛМИ 04 MN470:2014

To perform sampling of:

Type of the scope: *flexible for part of the scope*		
№	**Products**	**Sampling methods (standard / validated method)**
1	**2**	**3**
1.	Gypsum	БДС EN 932 -1
2.	Adhesive gypsum	БДС EN 196 -7
3.	Gypsum compositions	БДС EN 196 -7
4.	Binders for floor screeds based on calcium sulphate	БДС EN 196 -7
5.	Cementitious adhesives	БДС EN ISO 15605
6.	Water - refuse	БДС ISO 5667-10
7.	Water – subterranean	БДС ISO 5667-11
8.	Water – superficial	БДС EN ISO 5667-6
9.	Water – for drinking and household needs	БДС ISO 5667-5

Flexible scope:
Implementing a new version of standards/documents or standards / documents replacing them is allowed. An updated list of standards/documents and their dated versions is provided by laboratory.

Fixed scope references:

1. *ВЛМИ 01MN690:2015 Water quality. Spectrophotometric determination of ammonium ion and nitrogen (ammonium) in water.
2. *ВЛМИ 02MN470:2014 Water quality. Spectrophotometric determination of chlorides in water.
3. *ВЛМИ 03MN:2014 Water quality. Spectrophotometric determination of chemical oxygen demand.
4. *ВЛМИ 04MN470:2014 Water quality. Spectrophotometric determination of manganese in water.
5. *ВЛМИ 05MN06:2015 Water quality. Spectrophotometric determination of nitrates and nitrogen (nitrate) in water.
6. *ВЛМИ 06MN540:2015 Water quality. Spectrophotometric determination of nitrites and nitrogen (nitrite) in water.
7. *ВЛМИ 07MN436:2014 Water quality. Spectrophotometric determination of sulphites in water.
8. *ВЛМИ 08MN22:2014 Water quality. Spectrophotometric determination of nitrogen (total) in water.
9. *ВЛМИ 09MN:2014 Water quality. Spectrophotometric determination of phosphorus (total) in water.
10. *ВЛМИ 10MN057:2014 Water quality. Spectrophotometric determination of petroleum products in water.
11. *ВЛМИ 11:2015 Water quality. Spectrophotometric determination of total extracted substances, and extracted fats in water.
12. *ВЛМИ 13:2015 Water quality. Spectrophotometric determination of detergents in water.
13. *ВЛМИ 23:2015 Water quality. Spectrophotometric determination of iron (total) in water.
14. *ВЛМИ 15:2015 Water quality. Spectrophotometric determination of zinc in water.
15. *ВЛМИ 19:2015 Water quality. Spectrophotometric determination of cuprum in water.
16. *ВЛМИ 25:2015 Water quality. Spectrophotometric determination of aluminium in water.

I ORDER

To issue the certificate of accreditation reg. № 271 ЛИ/06.06.2023, valid until 13.04.2027, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the Manager / representative of the Gips Koshava AD, the head of the Construction testing laboratory at Gips Koshava AD, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the accredited person is obliged to return to EA BAS the originals of accreditation certificate № 271 ЛИ/13.04.2023, valid until 13.04.2027 and its enclosure – EA BAS order reg. № А 173/13.04.2023.

This order shall be notified to Gips Koshava AD, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS