GBFS & GGBFS

Granulated Blast Furnace Slag

Ground Granulated
Blast Furnace Slag



GBFS

Granulated Blast Furnace Slag

Granular product sample



TECHNICAL DATA SHEET

INM/REF-PRO01/GBFS01

GGBFS

Ground Granulated Blast Furnace Slag

Ground product sample



TECHNICAL DATA SHEET

INM/REF-PRO01/GGBFS01

APPLICATIONS

Cement & Concrete

Where GBFS and GGBFS are used.

Concrete

GGBFS as a supplementary cementitious material in concrete.

Cement production

GBFS as a raw material for cement and GGBFS production.

Soil stabilization

Suited to soil stabilization and road base layers.

Marine & mass concrete

Suited to marine and mass concrete works.

Also used in other industrial applications. The suitable grade depends on the intended use.

Packaging

Jumbo Bags

GBFS & GGBFS



Technical Specifications

GBFS | INM/REF-PRO01/GBFS01

S No	Parameter	Range (%)	Typical Results (%)
1	SiO_2	32.00 to 38.00	**35.40**
2	Al_2O_3	18.00 to 21.00	**18.80**
3	CaO	32.00 to 38.00	**35.42**
4	MgO	6.00 to 10.00	**6.90**
5	Fe_2O_3	0.70 to 1.50	**1.30**
6	MnO	0.30 to 0.90	**0.37**
7	Sulphide Sulphur	0.20 to 0.50	**0.26**
8	Alkalis	0.20 to 0.80	**0.40**
9	Insoluble residue	1.00 to 3.00	**2.20**
10	Chloride (Cl^-)	0.02 to 0.03	**0.03**
11	Loss On Ignition	0.10 to 0.50	**0.10**
12	Glass Content	86.00 to 94.00	**93.50**

Source: supplied GBFS Technical Data Sheet. Original sheet included on page 8.

Technical Specifications

GGBFS | INM/REF-PRO01/GGBFS01

No.	Parameter	Range	Typical Result
1	Silicon Dioxide (SiO2) (%)	32.00 to 38.00	**35.6**
2	Aluminium Oxide (Al2O3) (%)	18.00 to 21.00	**19**
3	Calcium Oxide (CaO) (%)	32.00 to 38.00	**35**
4	Magnesium Oxide (MgO) (%)	6.00 to 10.00	**6.9**
5	Iron Oxide (Fe2O3) (%)	0.70 to 1.50	**1.3**
6	Manganese Oxide (MnO) (%)	0.30 to 0.90	**0.38**
7	Titanium Dioxide (TiO2) (%)	0.10 to 0.50	**0.12**
8	Alkalis (%)	0.20 to 0.80	**0.5**
9	Insoluble residue (%)	1.00 to 3.00	**2.2**
10	Chloride (%)	0.01 to 0.03	**0.02**
11	Loss On Ignition (%)	0.10 to 0.50	**0.1**
12	Specific Surface (cm2/gm)	More than 3000	**3388**
13	Specific Gravity	2.70 to 2.95	**2.8**
14	Bulk Density (T/M3)	1.1 to 1.3	**1.15**
15	Purity (%)	91 to 95	**93**
16	Sulphide Sulphur (%)	0.20 to 0.50	**0.26**

Source: supplied GGBFS Technical Data Sheet. Original sheet included on page 9.

Technical Data Sheet

GBFS

INM/REF-PRO01/GBFS01

Technical Data Sheet
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GRANULATED BLAST FURNACE SLAG

TECHNICAL SPECIFICATION

S No	Parameter	Range (%)	Typical Results (%)
1	SiO_2	32.00 to 38.00	35.40
2	Al_2O_3	18.00 to 21.00	18.80
3	CaO	32.00 to 38.00	35.42
4	MgO	6.00 to 10.00	6.90
5	Fe_2O_3	0.70 to 1.50	1.30
6	MnO	0.30 to 0.90	0.37
7	Sulphide Sulphur	0.20 to 0.50	0.26
8	Alkalis	0.20 to 0.80	0.40
9	Insoluble residue	1.00 to 3.00	2.20
10	Chloride (Cl^-)	0.02 to 0.03	0.03
11	Loss On Ignition	0.10 to 0.50	0.10
12	Glass Content	86.00 to 94.00	93.50

All data and recommendations are the result of careful tests by our laboratories. They only can be considered as recommendation which correspond to the level of experience of today. The data are given in good faith. However, in view of the multiplicity of possible application and working methods we are not in a position to assume any responsibility or obligations deriving from the use of our products.

Technical Data Sheet

GGBFS

INM/REF-PRO01/GGBFS01

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Technical Data Sheet

REF: INM/REF-PRO01/GGBFS01

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INMAA إنماء العالمية INTERNATIONAL

GROUND GRANULATED BLAST FURNACE SLAG

TECHNICAL SPECIFICATION

S No	Parameter	Range (%)	Typical Results (%)
1	Si02	32.00 to 38.00	35.6
2	A1203	18.00 to 21.00	19
3	CaO	32.00 to 38.00	35
4	MgO	6.00 to 10.00	6.9
5	Fez03	0.70 to 1.50	1.3
6	MnO	0.30 to 0.90	0.38
7	Ti02	0.10 to 0.50	0.12
8	Alkalis	0.20 to 0.80	0.5
9	Insoluble residue	1.00 to 3.00	2.2
10	Chloride (CIT	0.01 to 0.03	0.02
11	Loss On Ignition	0.10 to 0.50	0.1
12	Specific Surface(cm2/gm)	More than 3000	3388
13	Specific Gravity	2.70 to 2.95	2.8
14	Bulk Density T/M3	1.1 to 1.3	1.15
15	Purity %	91 to 95	93
16	Sulphide Sulphur	0.20 to 0.50	0.26

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