



BODOVA LTD.

POZZOLANA (TRASS)



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Pozzolans (also known as Trass) are silicate-based materials that react with (consume) the calcium hydroxide generated by hydrating cement to form additional cementitious materials. The benefits of pozzolan use in cement and concrete are threefold. The economic gain obtained by replacing a substantial part of the Portland cement by cheaper, pollution free, natural pozzolans or industrial by-products. The lowering of the blended cement environmental cost associated with the greenhouse gases emitted during Portland cement production. A third advantage is the increased durability of the end product.

PARAMETER	Unit	RESULTS	METHODS
Iron Trioxide Fe ₂ O ₃	%	5.43	ICP
Aluminum Trioxide Al ₂ O ₃	%	15.85	ICP
Calcium Oxide CaO	%	3.42	ICP
Magnesium Oxide (MgO)	%	1.12	ICP
Manganese Dioxide MnO ₂	%	0.12	ICP
Chromium Trioxide Cr ₂ O ₃	%	Less than 0.01	ICP
Sodium Oxide Na ₂ O	%	2.71	ICP
Potassium Oxide (K ₂ O)	%	1.56	ICP
Silicon Dioxide SiO ₂	%	64.84	ICP
Titanium Dioxide TiO ₂	%	0.56	ICP
Loss of Ignition (LOI)	%	4.37	Gravimetric
Moisture Content (MC)	% AR	11.84	Gravimetric

Loading terminal: Malahayati Port, Aceh, Indonesia



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