



NK-DGZ-130

Detergent Grade Zeolite AX Powder

| ITEM | INDEX | |
|---|---|--------------------|
| Appearance | White powder | |
| Anhydrous builder content | $\geq 80.0\%$ | |
| L.O.I (800 °C, 1h) | $\leq 20.0\%$ | |
| Calcium exchange capacity (dry basis, in the presence of Ca^{2+} ion) | 265-270 mg CaCO_3/g or 148-151 mg CaO/g | |
| Magnesium exchange capacity (dry basis, in the presence of Mg^{2+} ion) | 150-155 mg MgCO_3/g or 74-77 mg MgO/g | |
| Calcium and Magnesium exchange capacity (dry basis, in the presence of equimolar amount of Ca^{2+} and Mg^{2+} ion) | ≈ 185 mg CaCO_3/g and ≈ 130 mg MgCO_3/g or ≈ 104 mg CaO/g and ≈ 64 mg MgO/g | |
| pH(1% In water , 25 °C) | 9.5-10.5 | |
| Bulk density | (350-400) Kg/m^3 | |
| Particle Size Distribution | Mean diameter | 4.48 μm |
| | D10 | 0.76 μm |
| | D50 | 4.72 μm |
| | D90 | 7.88 μm |
| Degree of whiteness (W=Y)% | ≥ 98.5 | |
| Al^{3+} (dry basis)% | ≥ 18.7 | |