

## **Aggregate Tests (Concrete & Asphalt Purpose)**

Material finer than 75 µm sieve Light weight particles in aggregate Clay Lumps & Friable particles Organic Impurities in fine aggregate Los Angeles Abrasion Value Crushed Face particles Sand Equivalent Value Sieve Analysis Fineness Modulus Potential Alkali Reactivity (Chemical Method) Unit Weight & Voids in Aggregate Soundness of Aggregate (MgSO4& Na25O4) Flakiness Index Elongation Index Relative density (Specific gravity) Water absorption Bulking of sand Bulk density (loose) Bulk density (loose) Bulk density (rodded) Voided shell content Aggregate Impact Value (AIV) Aggregate Impact Value (AIV) Attrition test Chloride Content Water soluble Sulphate content Acid soluble Sulphate content Drying Shrinkage Polished Stone Value Angularity number Shape Index Micro-Deval coefficient Carbonate Content Humus Content Humus Content Humus Content Fixed Particular School Compaction factor Bittmen stripping Value	Aggregate lests (Concrete & Asphalt Purpose)
Clay Lumps & Friable particles Organic Impurities in fine aggregate Los Angeles Abrasion Value Crushed Face particles Sand Equivalent Value Sieve Analysis Fineness Modulus Potential Alkali Reactivity (Chemical Method) Unit Weight & Voids in Aggregate Soundness of Aggregate (MgSO4& Na2SO4) Flakiness Index Elongation Index Relative density (Specific gravity) Water absorption Bulking of sand Bulk density (loose) Bulk density (rodded) Voided shell content Aggregate Impact Value (AIV) Aggregate Crushing Value (ACV) Ten percent fines value (TFV) Attrition test Chloride Content Water soluble Sulphate content Drying Shrinkage Polished Stone Value Angularity number Shape Index Micro-Deval coefficient Carbonate Content Humus Content Compaction factor	Material finer than 75μm sieve
Organic Impurities in fine aggregate  Los Angeles Abrasion Value  Crushed Face particles  Sand Equivalent Value Sieve Analysis Fineness Modulus Potential Alkali Reactivity (Chemical Method) Unit Weight & Voids in Aggregate Soundness of Aggregate (MgSO4& Na2SO4) Flakiness Index Elongation Index Relative density (Specific gravity) Water absorption Bulking of sand Bulk density (loose) Bulk density (rodded) Voided shell content Aggregate Impact Value (AIV) Aggregate Crushing Value (ACV) Ten percent fines value (TFV) Attrition test Chloride Content Water soluble Sulphate content Acid soluble Sulphate content Drying Shrinkage Polished Stone Value Angularity number Shape Index Micro-Deval coefficient Carbonate Content Humus Content Compaction factor	Light weight particles in aggregate
Los Angeles Abrasion Value Crushed Face particles Sand Equivalent Value Sieve Analysis Fineness Modulus Potential Alkali Reactivity (Chemical Method) Unit Weight & Voids in Aggregate Soundness of Aggregate (MgSO4& Na2SO4) Flakiness Index Elongation Index Relative density (Specific gravity) Water absorption Bulking of sand Bulk density (loose) Bulk density (rodded) Voided shell content Aggregate Impact Value (AIV) Aggregate Crushing Value (ACV) Ten percent fines value (TFV) Attrition test Chloride Content Water soluble Sulphate content Acid soluble Sulphate content Drying Shrinkage Polished Stone Value Angularity number Shape Index Micro-Deval coefficient Carbonate Content Humus Content Compaction factor	Clay Lumps & Friable particles
Crushed Face particles  Sand Equivalent Value  Sieve Analysis  Fineness Modulus  Potential Alkali Reactivity (Chemical Method)  Unit Weight & Voids in Aggregate  Soundness of Aggregate (MgSO4& Na2SO4)  Flakiness Index  Elongation Index  Relative density (Specific gravity)  Water absorption  Bulking of sand  Bulk density (rodded)  Voided shell content  Aggregate Impact Value (AIV)  Aggregate Crushing Value (ACV)  Ten percent fines value (TFV)  Attrition test  Chloride Content  Water soluble Sulphate content  Drying Shrinkage  Polished Stone Value  Angularity number  Shape Index  Micro-Deval coefficient  Carbonate Content  Humus Content  Compaction factor	Organic Impurities in fine aggregate
Sieve Analysis Fineness Modulus Potential Alkali Reactivity (Chemical Method) Unit Weight & Voids in Aggregate Soundness of Aggregate (MgSO4& Na2SO4) Flakiness Index Elongation Index Relative density (Specific gravity) Water absorption Bulking of sand Bulk density (loose) Bulk density (rodded) Voided shell content Aggregate Impact Value (AIV) Aggregate Crushing Value (ACV) Ten percent fines value (TFV) Attrition test Chloride Content Water soluble Sulphate content Drying Shrinkage Polished Stone Value Angularity number Shape Index Micro-Deval coefficient Carbonate Content Humus Content Compaction factor	Los Angeles Abrasion Value
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Potential Alkali Reactivity (Chemical Method)  Unit Weight & Voids in Aggregate  Soundness of Aggregate (Mg5O4& Na2SO4)  Flakiness Index  Elongation Index  Relative density (Specific gravity)  Water absorption  Bulking of sand  Bulk density (Ioose)  Bulk density (rodded)  Voided shell content  Aggregate Impact Value (AIV)  Aggregate Crushing Value (ACV)  Ten percent fines value (TFV)  Attrition test  Chloride Content  Water soluble Sulphate content  Acid soluble Sulphate content  Drying Shrinkage  Polished Stone Value  Angularity number  Shape Index  Micro-Deval coefficient  Carbonate Content  Humus Content  Compaction factor	Sieve Analysis
Unit Weight & Voids in Aggregate Soundness of Aggregate (MgSO4& Na2SO4) Flakiness Index Elongation Index Relative density (Specific gravity) Water absorption Bulking of sand Bulk density (loose) Bulk density (rodded) Voided shell content Aggregate Impact Value (AIV) Aggregate Crushing Value (ACV) Ten percent fines value (TFV) Attrition test Chloride Content Water soluble Sulphate content Drying Shrinkage Polished Stone Value Angularity number Shape Index Micro-Deval coefficient Carbonate Content Humus Content Humus Content Compaction factor	Fineness Modulus
Soundness of Aggregate (MgSO4& Na2SO4)  Flakiness Index  Elongation Index  Relative density (Specific gravity)  Water absorption  Bulking of sand  Bulk density (Ioose)  Bulk density (rodded)  Voided shell content  Aggregate Impact Value (AIV)  Aggregate Crushing Value (ACV)  Ten percent fines value (TFV)  Attrition test  Chloride Content  Water soluble Sulphate content  Acid soluble Sulphate content  Drying Shrinkage  Polished Stone Value  Angularity number  Shape Index  Micro-Deval coefficient  Carbonate Content  Humus Content  Compaction factor	Potential Alkali Reactivity (Chemical Method)
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Water absorption  Bulking of sand  Bulk density (loose)  Bulk density (rodded)  Voided shell content  Aggregate Impact Value (AIV)  Aggregate Crushing Value (ACV)  Ten percent fines value (TFV)  Attrition test  Chloride Content  Water soluble Sulphate content  Acid soluble Sulphate content  Drying Shrinkage  Polished Stone Value  Angularity number  Shape Index  Micro-Deval coefficient  Carbonate Content  Humus Content  Compaction factor	Elongation Index
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Voided shell content Aggregate Impact Value (AIV) Aggregate Crushing Value (ACV) Ten percent fines value (TFV) Attrition test Chloride Content Water soluble Sulphate content Acid soluble Sulphate content Drying Shrinkage Polished Stone Value Angularity number Shape Index Micro-Deval coefficient Carbonate Content Humus Content Compaction factor	Bulk density (loose)
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Attrition test Chloride Content Water soluble Sulphate content Acid soluble Sulphate content Drying Shrinkage Polished Stone Value Angularity number Shape Index Micro-Deval coefficient Carbonate Content Humus Content Compaction factor	Aggregate Crushing Value (ACV)
Chloride Content  Water soluble Sulphate content  Acid soluble Sulphate content  Drying Shrinkage  Polished Stone Value  Angularity number  Shape Index  Micro-Deval coefficient  Carbonate Content  Humus Content  Compaction factor	Ten percent fines value (TFV)
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Acid soluble Sulphate content  Drying Shrinkage  Polished Stone Value  Angularity number  Shape Index  Micro-Deval coefficient  Carbonate Content  Humus Content  Compaction factor	Chloride Content
Drying Shrinkage Polished Stone Value Angularity number Shape Index Micro-Deval coefficient Carbonate Content Humus Content Compaction factor	Water soluble Sulphate content
Polished Stone Value Angularity number Shape Index Micro-Deval coefficient Carbonate Content Humus Content Compaction factor	Acid soluble Sulphate content
Angularity number Shape Index Micro-Deval coefficient Carbonate Content Humus Content Compaction factor	Drying Shrinkage
Shape Index Micro-Deval coefficient Carbonate Content Humus Content Compaction factor	Polished Stone Value
Micro-Deval coefficient  Carbonate Content  Humus Content  Compaction factor	Angularity number
Carbonate Content Humus Content Compaction factor	Shape Index
Humus Content Compaction factor	Micro-Deval coefficient
Compaction factor	Carbonate Content
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Bitumen stripping Value	Compaction factor
	Bitumen stripping Value
Petrographic Examination (S)	Petrographic Examination (S)