



لصناعة الكيماويات والمنظفات الصناعية

## TECHNICAL DATA SHEET

### PRODUCT Information

**Chemical Name** : Sodium Aluminum Sulpho Silicate  
**Trade Name** : Ultramarine Blue (Zahra)  
**Type** : Blue pigment  
**Color Index Pigment blue** : 29 (77007CAS 57455-37-5)

### Physical and Chemical properties

Test	Specification
Appearance	Blue powder
Shade	Bluish
Tinting Strength,	181
Color Reduced TiO <sub>2</sub> against Grade Standard	DE : 1.0% CIELab max . DL : 0.5% CIELab max . DC: 1.0% CIELab max . DH: 1.0% CIELab max .
Relative Strength	±5%
Moisture,.	1 % max
Residue (on 325mesh sieve),.	0.5 % max
Water Soluble,.	0.8 % max
Sieve Residue (300 mesh )	0.05% max
Free Sulfur, %.	0.03 % max

Specific gravity	2.35
Oil Absorption	52%
Mean particle size	1.00 $\mu\text{m}$
Specific surface area	2.60 m <sup>2</sup> /g
PH	7
Volatile (at 105°C),.	1 % max
Migration Resistance	5
Weather Fastness	8
Heat Fastness	350 °C
Acid Resistance	Poor
Alkali Resistance	Good

### **APPLICATION:**

Detergents, laundry, laundry bar soap, detergency, plastics .

### **PACKAGING :**

25 kg bags

### **STORAGE:**

Store in cool and dry place.

### **Shelf time**

5 years under cool and dry condition. For material storage after shelf life ,  
quality confirmation test should be done before use .