

ADA4605—the Blue Fluorescent Organic Pigment

Description

Organic pigment—this product has a low toxicity to aquatic organisms and presents little to no immediate hazard to people if released or spilled. This pigment has a high solvent and thermal stability, but can be destroyed through any further reduction in particle size (shearing or milling). Exposure to acids may cause product degradation.

Product Properties

Composition and Appearance:	98-100% (w/w) Organic pigment
Ash:	0.09-1.4% (typical property)
Volatiles:	0.4%
Melting point:	202-205 °C
Fluorescence Emission (λ_{\max}):	453 nm
Excitation (λ_{\max}):	365 nm
Particle size (Microtrac X-100):	d₁₀ = min. 15 μ, d₅₀ = max. 33 μ, d₉₅ = max. 60 μ
Lightfastness:	Good

Solubility

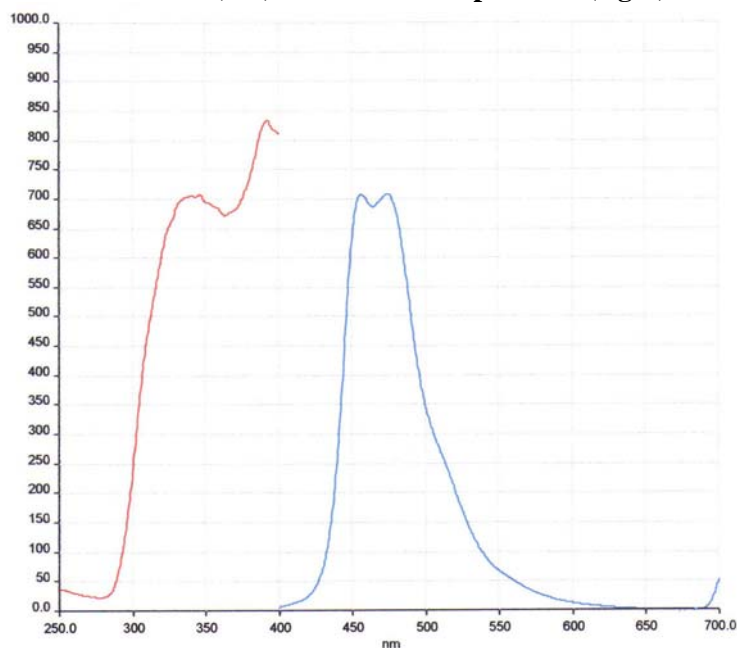
Soluble: Toluene, Mineral Oil (1.0% w/ heating), Propylene Glycol (0.10%)

Partially Soluble: Acetone, EtOAc

Slightly Soluble: EtOH

Insoluble: Water

Excitation (left) and Emission Spectrum (right)



All applications using this product should be thoroughly tested prior to approval for production.

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