

ADA3231 Product Data Sheet

UV-Visible Fluorescent Red Organic Pigment

Application: Marking, Coding, Security Printing

ADA3231 is a specialty product having an easy to implement effect, for use in the printing ink and lacquer industry. In normal daylight conditions, ADA3231 powder is virtually invisible on substrate. However, on exposure to UV-A and/or blue light (optimal effect achieved at approx. 450 nm), the red fluorescence intensity becomes visible (emission at approx. 616 nm).

ADA3231 powder is thus a highly effective special additive for coding and marking purposes (e.g. usage in security printing). Possible application fields are high quality, solvent-free or solvent-containing special printing inks and lacquers with very good light fastness on plastic and on paper surface. **Durable for laminating process.**

Product Properties

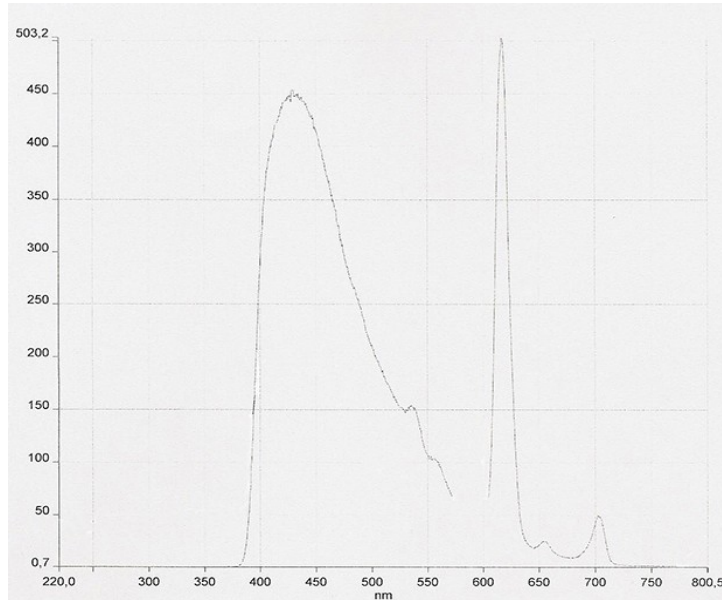
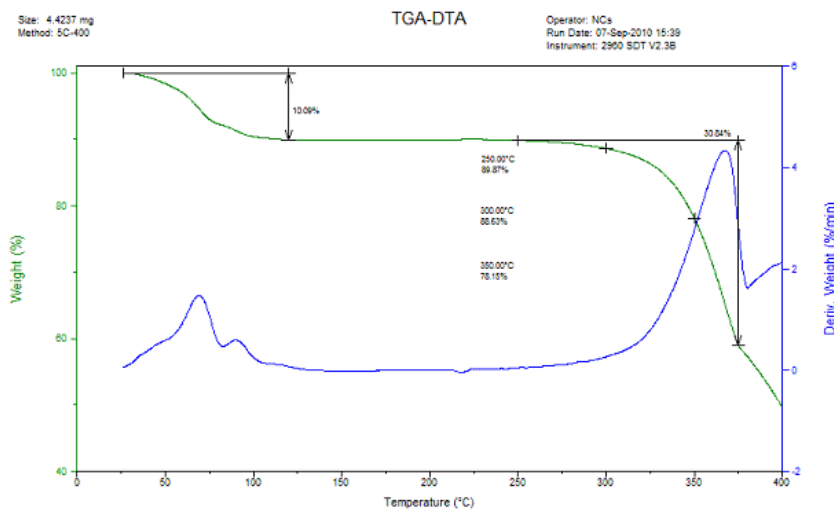
Composition:	Organic Substance
Physical Appearance:	White Powder
Excitation color at 365nm:	Red
Odor:	Odorless
Density in powder form:	Approx. 0.30 kg/dm ³
Thermal Stability:	250 ⁰ C
Light fastness:	Medium
UV Intensity:	Good
Laminating process:	Durable. Time = 45 min, Pressure =300N/cm ² , T=185°C
Durable against Climatic Test:	Yes

Solubility at T=22°C, t=2h in: (deviation approx. ± 5%)

Water (pH 7):	20.0 g/L
Acetone:	Insoluble
Ethyl Acetate:	Insoluble
Xylene:	5.8 g/L
Methanol:	Insoluble
Cyclohexanone:	Insoluble

Typical Luminescent Properties:

Abs. Max.; λ max:	450nm
Emission Max, λ max:	616nm

Typical excitation and fluorescence spectra:**Thermal Stability**

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

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