

ADA3207 Product Data Sheet

UV-Visible Water Soluble Fluorescent Yellow-Green Organic Pigment

Application: Marking, Coding, Security Printing

ADA3207 is a specialty water soluble product having an easy to implement fluorescent effect, for use in the printing ink and lacquer industry. In normal daylight conditions, ADA3207 powder is virtually invisible on substrate. However, on exposure to UV-A and/or yellow-green light (optimal effect achieved at approx. 393 nm), the yellow-green fluorescence intensity becomes visible (emission at approx. 551 nm).

ADA3207 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 water-containing special printing inks and lacquers with very good light fastness on plastic and on paper surface.

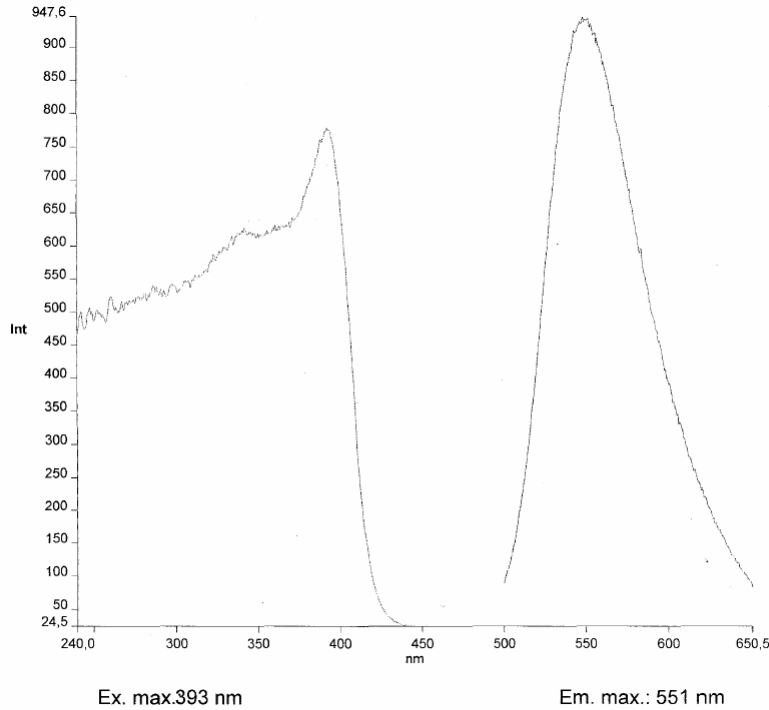
Product Properties

Composition:	Organic Substance
Physical Appearance:	White Powder
Excitation color at 366nm:	Yellow-Green
Odor:	Odorless
Light Fastness:	Good (In 15% concentration in printing ink, on paper and on polymer surface with minimum 10 years stability.)
UV Intensity:	Excellent
Durable against climatic test:	Yes
Insoluble in:	Acetone, xylene, methanol, cyclohexanone and ethyl acetate
Soluble in:	Water (21g/L)

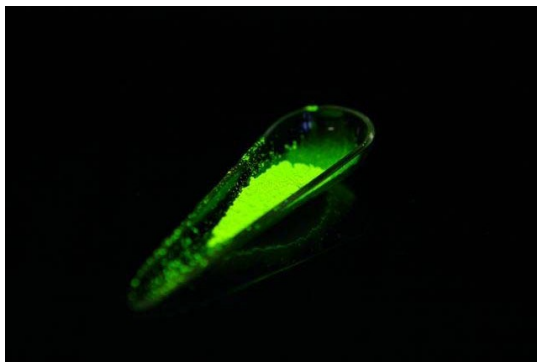
Typical Luminescent Properties:

Abs. Max.; λ max:	393nm
Emission Max, λ max:	551nm

Typical excitation and fluorescence spectra:



Appearance at visible light



Excitation color at 366nm

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

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