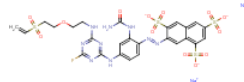
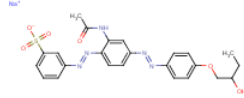


Appendix B4

Physico-Chemical Properties and Chemical Classes of Dye Formulations Tested in the LLNA

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Dye Formulations Tested in the LLNA – Comparative Data (Sorted Alphabetically)

Substance Name	Synonyms	CASRN	Molecular Weight (g/mol)	Log Kow ¹	Physical Form	Chemical Class ²	Structure ³
C.I. Reactive Red 231	NA	NA	NA	NA	Solid	Formulation	NA
C.I. Reactive Yellow 174	1,3,6-Naphthalenetrisulfonic acid, 7-(2-(2-((aminocarbonyl)amino)-4-((4-(2-(2-(ethenylsulfonyl)ethoxy)ethyl)amino)-6-fluoro-1,3,5-triazin-2-yl)amino)phenyl)diazonyl)-, sodium salt (1:3)	106359-91-5	885.72	NA	Solid	Formulation	
Dispersionsrot 2754	NA	NA	NA	NA	Solid	Formulation	NA
Navy 14 08 723	NA	NA	NA	NA	Solid	Formulation	NA
Produkt P-4G	NA	185461-17-0	NA	NA	Solid	Formulation	NA
Yellow E-JD 3442	Benzenesulfonic acid, 3-(2-(2-(acetylamino)-4-(2-(4-(2-hydroxybutoxy)phenyl)diazonyl)phenyl)diazonyl)-, sodium salt (1:1)	147703-65-9	533.54	NA	Solid	Formulation	

Abbreviations: CASRN=Chemical Abstract Services Registry Number; g/mol=Grams per mole; Kow=Octanol-water partition coefficient; NA=Not available.

¹Kow represents the octanol-water partition coefficient (expressed on log scale) obtained from the website: http://www.syrres.com/esc/est_kowdemo.htm.

²Chemical classifications based on the Medical Subject Headings classification for chemicals and drugs, as developed by the National Library of Medicine at: <http://www.nlm.nih.gov/mesh/meshhome.html>.

³Chemical structures, based on CASRN, were obtained from ChemID available at: <http://chem.sis.nlm.gov/chemidplus/chemidheavy.jsp>.

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