

Chemical List – Polarization effects

Best chemicals for producing the effects of crossed polarized images under the microscope (anisotropic compounds).

List originally compiled by William Sokol, member of the MSSC
The 15 best chemicals for polarizing work.

1. Pyrocatechol (Catechol)	v-good	
2. Adipic Acid	v-good	melt
3. Acetanilide	v-good	melt
4. Hydroquinone	v-good	melt
5. Menthol (C ₁₀ H ₂₀ O)	v-good	melt
6. Hippuric Acid	v-good	melt
7. DL-Malic Acid	good	melt
8. Potassium Chlorate	good	
9. Resorcinol	good	melt
10. Urea	good	melt
11. Benzoic Acid	good	melt
12. Naphthalene Flakes	good	melt
13. Thiorea	good	
14. Potassium Chromate	Ok	
15. Salicylic Acid	Ok	

Additional chemical (crystal) substances with good reactions:

16. Nitroso & Naphthol
17. Maleic Acid
18. Acetoacetanilide
19. N-butyl-p-aminobenzoate
20. Nickel II nitrate
21. Ascorbic acid
22. Palmitic acid
23. potassium chlorate
24. Benzoin oxime
25. Sulphur
26. Testosterone
27. Thioacetamide
28. L-arginine is an amino acid
29. L-asparagine is an amino acid
30. Vanillin (4-hydroxy-3-methoxybenzaldehyde)
31. Liquid Crystal

Reference:

http://www.microscopy-uk.org.uk/full_shop.html