Bellerophon | Gemlab

ANALYTICAL PROTOCOL SPINEL "GEMTESTING"

IDENTIFICATION

Mendatory data collected & available for every item -> FTIR & PL 313nm --- Optional data collected: PL 532, Raman spectrosocopy, RI & SG
Conclusion base " Correlation Analysis"--- Pass/Fail : **censored** --- Coefficient; **censored**

GENESIS

Optional data collected: Visual Microscopic Examination, Fluorescence (LW & SW) & EDXRF
Conclusion base "Photoluminescence & Chemistry: Qualitative Analysis and/or Semi Quantitative Analysis"--- Pass/Fail : **censored** --- Coefficient; **censored**
Keys trace elements: **censored**--- Binary ratio: **censored**--- Keys nm peaks: **censored** *appendix SGNVS*

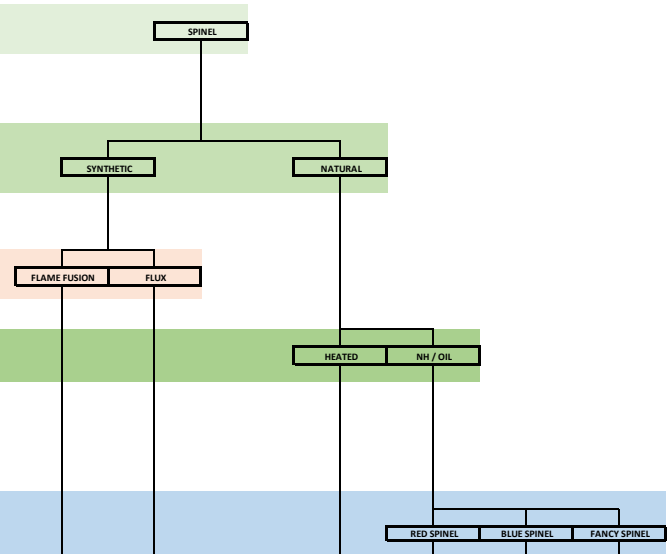
SYNTHETIC

From the MELT: Flame Fusion, Pulled & Bridgman
From a SOLUTION: FLUX

ENHANCEMENT

Optional data collected: Visual Microscopic Examination, Raman spectroscopy & EDXRF
Conclusion base "Photoluminescence"--- Pass/Fail : **censored**
Keys trace elements: **censored**--- Keys nm peaks: **censored**--- *appendix SEN*

VARIETY

Data collected: Visual Examination and/or UV-vis colour analysis CIELAB
Conclusion base l* a* b* optional

see appendix *Colour System Bellerophon*