

local fraction volatilized (in flame emission and absorption spectrometry), χ_v , β_v

The substance fraction of the volatilized component in the total desolvated component. The gaseous state includes free atoms, molecules and radicals. This quantity is measured in a defined part of the flame, usually the observation space. The fraction volatilized varies inversely with the size of the desolvated particles. Since χ_v varies markedly with the height in the flame, its observed value represents an average.

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