HPLC Technique in Wine Analysis

Developed by users for all users and daily routine analysis

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HPLC methods are developed by SunChrom for routine analysis

- Sugars /Alcohols (Profilyzer)
- Organic Acids (Organic Acids-Screening)
- Preservation (e.g. Sorbic acid)
- Antocyans (red wine colors)
- Histamine
- Acetaldehyde
- Amino Acids
- Ascorbic Acid (Vitamin C)
- SO₂ (in preparation)



Sugars/Alcohols (Profilyzer[®])

- No sample prep; no dilution
- Automatic removing of all disturbing matrix compounds
- 5 Minutes Analysis time for 5 analytes
- No chemicals; only 300 ml water per day as eluent
- Perfect separation of all 5 analytes
- Therefore precise and reproducible results independent from matrix (wine; beer; any fruit juice)
- Froud can be detected automatically; e.g. apple juice in wine (sorbitol)







Retentionszeit (min.)



All relevant organic acids in any wine



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Tartratic acid Malic acid Shikimic acid Lactic acid Acetic acid Citric acid Succinic acid Fumaric acid

Retentionszeit (min.)



Preservation: Sorbic acid in any wine



SunChron

...mit uns auf der Sonnenseite der Chromatographie

Antocyans in any red wine





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Histamin in any white or red wine



Ascorbic acid in any white wine to any time



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SunChrom and Wine Analysis

- SunChrom is offering since 1988 complete systems for dedicated wine analysis
- Our customers are big wine producer; wine packing/filling companies; private wine laboratories; governments wine laboratories
- SunChrom delivered about 100 systems since 1988
- SunChrom is packing the columns in-house
- SunChrom established a perfect customer service
- SunChrom is exhibiting and giving scientific lectures on conferences

