

SULPHIDES – KNOW THE PROBLEM IN ORDER TO TREAT IT CORRECTLY:

- Cadmium reacts with H₂S only, note that cadmium additions are for bench trials only, not for addition in the cellar. Cadmium is toxic, do not drink.
- Copper reacts with H₂S and mercaptans / thiols. It does not react with disulphides
- Ascorbic acid reduces disulphides to mercaptans / thiols. After they have been reduced back to their simpler mercaptan / thiol form, they will react with copper.

GLASS 1	GLASS 2	GLASS 3	GLASS 4	INTERPRETATION
CONTROL	ADD: CADMIUM-SO ₄	ADD: COPPER-SO ₄	ADD: ASCORBIC ACID THEN ADD: COPPER-SO ₄	
Off-odour	Odour removed	No change	No change	H ₂ S
Off-odour	Odour removed	Odour removed	No change	H ₂ S and mercaptans / thiols
Off-odour	Odour removed	Odour removed	Odour removed	H ₂ S, mercaptans / thiols and disulphides
Off-odour	No change	Odour removed	No change	Mercaptans / thiols
Off-odour	Odour removed	No change	Odour removed	H ₂ S and disulphides
Off-odour	No change	No change	Odour removed	Disulphides
Off-odour	No change	Odour removed	Odour removed	Mercaptans / thiols and disulphides
Off-odour	No change	No change	No change	Not sulphides – SOMETHING ELSE