

## ALPHACLAR S (ALS511)

M011

### Specification

Issue date: February 2017

#### Description

Alphaclar S is a cross-linked polyvinylpyrrolidone (PVPP)  
PVPP selectively adsorbs haze-forming polyphenols in beer and wine to enhance colloidal stability.  
Alphaclar S is insoluble in water and the commonly used organic solvents.

#### Appearance

White/off-white free-flowing hygroscopic powder

#### Application

Add as a slurry (10%, stirred for 2 hours) in suitable water, over the length of the filtration run pre-filter.

#### Addition rates

Typically 30 – 50 g/hl

#### Constituents

Cross-linked polyvinylpyrrolidone

#### Heavy metals (max mg/kg)

As	3
Pb	2

#### Analysis

Parameter	Specification
Acid/alcohol-soluble substances %	Max 1
Water-soluble substances %	Max 0.5
pH (1% in water)	5-11
Residue on ignition %	Max 0.4
Unsaturation % (as vinylpyrrolidone)	Max 0.001
Water %	Max 6
Nitrogen %	11 – 12.8

#### Legal status

Legislation may vary from country to country. Local regulations should be consulted.

Although PVPP is used as a processing aid, if is allowed as a food additive via Food Chemicals Codex.

JECFA GSFA 14.2.1 permits addition to beer under GMP.

#### Packaging and Storage

Standard packaging: 10 kg drum.

Alphaclar S should be stored in dry, sealed containers.

Drums should only be opened at time of use.

#### Shelf-life

36 months when stored under ideal conditions in original unopened packaging.