

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Kollicoat® Protect
<b>Lot / Batch</b>	20911875L0
<b>Production Date</b>	2022-01
<b>Release Date</b>	2022-03-21
<b>Retest Date</b>	2025-01

### Physical & Chemical Data

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Appearance	White to slightly yellow powder	Conforms
Identification (IR)	Must conform	Conforms
Dispersibility / Solubility (15% in water; residue on 100 µm sieve) (g/100 g)	≤0.5	<0.1
Ester value (mg KOH/g)	50–115	64
pH (15% aqueous solution)	5.0–8.0	6.1
Viscosity Brookfield RVT (Sp.2/100 rpm, 23°C, 20% sol.) (mPa·s)	150–450	219
Loss on drying (g/100 g)	≤5.0	2.0
Sulfated ash (g/100 g)	≤3.0	0.9

### Residuals & Impurities

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Vinyl acetate (mg/kg)	≤10	<2
Ethylene glycol (mg/kg)	≤620	<50
Acetic acid (mg/kg)	≤15 000	7 400

### Heavy Metals

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Heavy metals (as Pb, mg/kg)	≤20	Conforms

**Microbiological Tests**

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Total Aerobic Microbial Count (CFU/g)	≤200	<10
Total combined Yeasts & Moulds (CFU/g)	≤20	<10

**Notes**

<b>Remarks</b>	
	<p>*Heavy metals test is verified on random samples only.</p> <p>*Product may contain traces of colloidal anhydrous silica. Data are controlled at regular intervals as part of the quality assurance program.</p>

Base Bulk