

Specification Sheet

Product Name: **Phenol red**
 Specifications & Purity: indicator ACS
 SKU # **P432099**

Parameter	Limit Values
Appearance(P432099)	Dark Red to Dark Brown Powder
Clarity of solution (1 g/l; ethanol)	pass
Transition range(pH 5,8 (yellow) – pH 8.2 (red))	Pass
1st transition range (1.2-3.0, brown-orange to yellow)	Pass
2nd transition range(6.5-8.0, brownish-yellow to red-violet)	Pass
loss on drying, 110 °C	0-1 (%)
Spec. Absorptivity A 1%/1cm(λ_{1max} 503 - 506nm ; 0.005 g/l; buffer pH 1,2; calc. on dried substances)	900-1150
Spec. Absorptivity A 1%/1cm(λ_{2max} 430 - 435nm ; 0.005 g/l; buffer pH 3,0; calc. on dried substances)	550-650
Spec. Absorptivity A 1%/1cm(λ_{3max} 430 - 435nm ; 0.005 g/l; buffer pH 6.5; calc. on dried substances)	550-650
Spec. Absorptivity A 1%/1cm(λ_{4max} 557 - 560nm ; 0.005 g/l; buffer pH 8,0; calc. on dried substances)	1000-1250