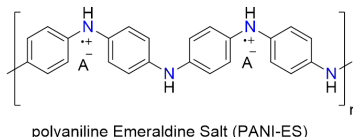




## Certificate of Analysis

### Structure:



**Product Number** BM1720  
**Batch Number** M17202102  
**Product Name** Polyaniline-dinonylnaphthalenesulphonic acid, 50% solution in toluene  
**CAS Number** 178274-40-3  
**Molecular Formula** (C<sub>6</sub>H<sub>5</sub>N)<sub>n</sub>  
**Molecular Weight** 50000 g / mol

ANALYSIS	SPECIFICATION	RESULTS
<b>Appearance</b>	Dark green to black solution	Dark green solution
<b>GPC</b>	report result	
<b>Conductivity</b>	report result	3.00 x 10 <sup>-5</sup> S/cm
<b>Concentration</b>	50 %	
<b>Notes</b>	Note that the value for concentration includes PANI(DNNSA)0.5 along with excess DNNSA (1.0 eq based on aniline) and residual 2-butoxyethanol.	
<b>Storage Conditions</b>	Store ≤ 25°C	
<b>Manufactured Date</b>	7/12/2021	<b>Retest Date</b> 6/12/2024

Prepared by:

Signature

bhe

Print Name

7/12/2021

Date

Checked by:

Signature

Mark Russell

Print Name

7/12/2021

Date

#### UNITED STATES

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