



Xiamen Hengrun Petrochemical Co., Ltd.

Product Quality Inspection

Products Name: Rubber Plasticizer, Naphthene Mineral Oil Specification Number: N4010 Production Date : 2023-10-02			
Analysis Items	Quality Index	Inspection Result	Test Method
Appearance	Clear, Transparent	Clear, Transparent	Visual
Kinematic Viscosity (40℃), mm ² /s	Report	175.2	GB/T 265-1988
Kinematic Viscosity (100℃), mm ² /s	9-11	10.68	GB/T 265-1988
Aniline Point, °C	Report	101.3	GB/T 262-2010
Seibert Color	≤+26	+30	GB/T 3555-2022
Flash Point (Opening), °C	≤210	218	GB/T 3536-2008
Pour Point, °C	≥-15	-18	GB/T 3535-2006
Density (20℃), kg/m ³	Report	902.7	SH/T 0604-2000
Refractive Index (20℃)	Report	1.4906	SH/T 0724-2002
Viscosity Gravity Constant (VGC)	Report	0.836	NB/SH/T 0835-2010
Ultraviolet Absorption, (260nm)	≥0.30	0.033	NB/SH/T 0415-2013
Mechanical Impurities, % (Mass Fraction)	None	None	GB/T 511-2010
Water % (Mass Fraction)	Trace	None	GB/T 260-2016
Sulphur Content, mg/kg	≥10	5	SH/T 0689-2000
Nitrogen Content, mg/kg	≥10	5	SH/T 0657-2007
Polycyclic Aromatic Hydrocarbon, %	≥3	0.8	NB/SH/T 0838-2010
Evaporation Loss (107℃, 22h), % (Mass Fraction)	≥0.8	0.41	GB/T 7325-1987
Ultraviolet Light Stability Not Less Than	≤+15	+30	HG/T 5085-2016 Appendix A
Thermal Stability, Seibert No.	≤+18	+29	HG/T 5085-2016 Appendix B
Carbon Type Analysis, % (Mass Fraction)			
C _A	≥1	0.0	SH/T 0725-2002
C _N	≤40	50.1	

C _p	Report	49.9	SN/T 1877.3-2007 1 st Method
Sum of 16 Types PAH _s , mg/kg	≧10	<0.8	
1) NAP, mg/kg	≧1	<0.05	
2) ANY, mg/kg	≧1	<0.05	
3) ANA, mg/kg	≧1	<0.05	
4) FLU, mg/kg	≧1	<0.05	
5) PHE, mg/kg	≧1	<0.065	
6) ANT, mg/kg	≧1	<0.05	
7) FLT, mg/kg	≧1	<0.05	
8) PYR, mg/kg	≧1	<0.05	
9) BaA, mg/kg	≧1	<0.05	
10) CHR, mg/kg	≧1	<0.05	
11) BbF, mg/kg	≧1	<0.05	
12) BkF, mg/kg	≧1	<0.05	
13) BaP, mg/kg	≧1	<0.05	
14) DBA, mg/kg	≧1	<0.05	
15) BPE, mg/kg	≧1	<0.05	
16) IPY, mg/kg	≧1	<0.05	

