

Aniline Point and Mixed Aniline Point of Petroleum Products

test method

For determining the aniline point and mixed aniline point of petroleum products and hydrocarbon solvents by thin-film (ASTM D611 Method B) and U-tube methods (IP 2 Method D), with endpoint detection via lamp filament obscuration in a light well.

thin film aniline point apparatus

- Determines aniline point and mixed aniline point of petroleum products and hydrocarbon solvents per ASTM D611 Method B.
- Aniline-sample mixture stirred in a thin-film borosilicate tube suspended in a 400 mL borosilicate heating bath.
- Integrated 1 000 W heater (porcelain-refractory-shielded) raises bath temperature at a stepless, reference-dial-controlled rate.
- Thin film flows over a light well illuminated by a 6 V lamp; endpoint indicated when the lamp filament is obscured by phase separation.
- Key components: thin-film tube; 400 mL borosilicate bath; cover assembly with bath stirrer; sample pump rotor with cooling coil; 6 V lamp; drive motor.
- Positive-drive pulley system rotates both sample and bath stirrers; heater housing includes a low-voltage receptacle for the lamp.



K10102 - Thin Film Aniline Point Apparatus

u-tube aniline point apparatus

- Developed by Standard Inspection Laboratories; similar to the Thin Film Aniline Point Apparatus but with a U-Tube aniline-sample tube and stirrer, following IP 2-56 Method D.
- Suitable for samples having ASTM D1500 color of 6.5 or lighter.
- Includes U-tube; 400 mL borosilicate glass beaker; cover assembly with bath stirrer; sample stirrer and cooling coil; 6 V lamp with line cord; and drive motor.
- Thermometer ferrules and mounting hardware are provided.
- Integrated heater offers variable stepless control of heating rate and a 6 V tap for the lamp.

specifications

Conforms to the specifications of: ASTM D611; IP 2; ISO 2977; DIN 51775; FTM 791-3601; NF M 07-021

Bath Medium: 400mL of heat transfer fluid
(355-001-001 mineral oil is suitable for this application)

Electrical Requirements:

115V 60Hz, Single Phase, 6.5A
220-240V 50/60Hz, Single Phase, 13.4A

Include Accessories:

Thermometer Ferrules (2)
Clamps and Support Rod

Dimensions lwxhxh, in. (cm)

14.5x18.5x20.75 (37x22x53)

Net Weight: 24 lbs (10.9 kg)

Shipping Information

Shipping Weight: 42 lbs (19.1 kg)

Dimensions: 5.7 Cu. ft.

order information

catalog no.	description	qty
K10102	Thin Film Aniline Point Apparatus, 115V 60Hz	1
K10192	Thin Film Aniline Point Apparatus, 220-240V 50/60Hz	1
K10002	U-Tube Aniline Point Apparatus, 115V 60Hz	1
K10092	U-Tube Aniline Point Apparatus, 220-240V 50/60Hz	1

accessories

250-000-33F	ASTM 33F Thermometer Range: -36.5 to +107.5°F	2
250-000-33C	ASTM 33C Thermometer Range: -38 to +42°C	2
250-000-34F	ASTM 34F Thermometer Range: 77 to +221°F	2
250-000-34C	ASTM 34C Thermometer Range: 25 to 105°C	2
250-000-35F	ASTM 35F Thermometer Range: 194 to 338°F	2
250-000-35C	ASTM 35C Thermometer Range: 90 to 170°C	2



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