

Certificate of Analysis

SIGMA-ALDRICH

Product Name Polystyrene,
analytical standard, for GPC, 20,000
Product Number 327743
Product Brand SIAL
Molecular Formula $[\text{CH}_2\text{CH}(\text{C}_6\text{H}_5)]_n$

TEST

APPEARANCE

INFRARED SPECTRUM

MOLECULAR WEIGHT

MOLECULAR WEIGHT

DETERMINATION

VISCOSITY

QUALITY CONTROL

ACCEPTANCE DATE

SPECIFICATION

WHITE POWDER

17,000 - 25,000 BY
INTRINSIC VISCOSITY

17,000 - 25,000 BY LIGHT
SCATTERING

APPROVED NOVEMBER
16, 1995 JSB
OR

LOT 06589LE RESULTS

WHITE POWDER

**CONFORMS TO
STRUCTURE.**

LIGHT SCATTERING:

LIGHT SCATTERING:

MW = 18,000 *

**GEL PERMEATION
CHROMATOGRAPHY:**

MW = 18,100 *

MP = 18,800 *

MN = 18,000 *

MW/MN = 1.01 *

INTRINSIC VISCOSITY:

MV = 18,200 *

[N] = 0.127 *

* SUPPLIER DATA

* SUPPLIER DATA

NOVEMBER 2006



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