

File name: TAPBacetic38ACNphcn90C\_eiger2\_11916\_sub\_rebin\_ang.dat

SasView version: 5.0.6

SasModels version: 1.0.7

Fit optimizer used: Levenberg-Marquardt

Model name: fractal+fuzzy\_sphere+core\_shell\_sphere

Q Range: min = 0.000212067761, max = 0.025557500100000005

Chi2/Npts: 0.21061

scale =  $9.9852\text{e-}05 \pm 7950.4$

background = 0.05 (fixed)  $\text{cm}^{-1}$

fractal\_fuzzysphere\_coresellsphere = (fixed)

A\_scale =  $1.6172 \pm 9.9876\text{e+}07$

A\_volfraction =  $0.080858 \pm 8.8606\text{e+}06$

A\_radius =  $4305.6 \pm 1415.2 \text{ \AA}$

A\_fractal\_dim =  $0.0024636 \pm 2442.9$

A\_cor\_length =  $5.355\text{e-}27 \pm 1.5373\text{e-}26 \text{ \AA}$

A\_sld\_block =  $13.499 \pm 9.9939\text{e+}07 \text{ } 10^{-6}/\text{\AA}^2$

A\_sld\_solvent = 8.9 (fixed)  $10^{-6}/\text{\AA}^2$

B\_scale =  $0.92139 \pm 7.3989\text{e+}07$

B\_sld =  $12.372 \pm 9.3404\text{e+}07 \text{ } 10^{-6}/\text{\AA}^2$

B\_sld\_solvent = 8.9 (fixed)  $10^{-6}/\text{\AA}^2$

B\_radius =  $2872.1 \pm 475.03 \text{ \AA}$

B\_fuzziness =  $811.48 \pm 208.37 \text{ \AA}$

C\_scale =  $0.95318 \pm 7.5894\text{e+}07$

C\_radius =  $2029.3 \pm 157.63 \text{ \AA}$

C\_thickness =  $1346.8 \pm 115.38 \text{ \AA}$

C\_sld\_core =  $11.995 \pm 591.52 \text{ } 10^{-6}/\text{\AA}^2$

C\_sld\_shell =  $10.574 \pm 319.77 \text{ } 10^{-6}/\text{\AA}^2$

C\_sld\_solvent = 8.9 (fixed)  $10^{-6}/\text{\AA}^2$

Distribution of A\_radius =  $0.26231 \pm 0.076966$  Function: lognormal

Distribution of B\_radius =  $0.21268 \pm 0.069234$  Function: lognormal

Distribution of B\_fuzziness =  $0 \pm 0.0018436$  Function: lognormal

Distribution of C\_radius =  $0.071196 \pm 0.074118$  Function: lognormal

Distribution of C\_thickness =  $8.6856\text{e-}07 \pm 302.43$  Function: lognormal

## Graph

Model Computation

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