

## Predicted Surface tension at 25°C for [1490-04-6](#) from Consensus method

Prediction results

Endpoint	Experimental value	Predicted value
Surface tension at 25°C dyn/cm	N/A	29.54

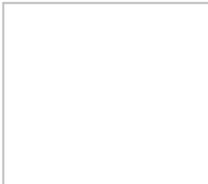
Individual Predictions		Test chemical
<b>Method</b>	<b>Predicted value dyn/cm</b>	
Hierarchical clustering	30.48	
Group contribution	28.53	
Nearest neighbor	29.62	

## Predictions for the test chemical and for the most similar chemicals in the [external test set](#)

If *similar* test set chemicals were predicted well relative to the entire test set, one has greater confidence in the predicted value.

Chemicals	MAE*
Entire set	1.32
Similarity coefficient $\geq 0.5$	0.18

\*Mean absolute error in dyn/cm

CAS	Structure	Similarity Coefficient	Experimental value dyn/cm	Predicted value dyn/cm
<a href="#">1490-04-6</a> (test chemical)			N/A	29.54
4361-23-3		0.60	30.14	29.96

## Predictions for the test chemical and for the most similar chemicals in the training set

If the predicted value matches the experimental values for similar chemicals in the training set (and the similar chemicals were predicted well), one has greater confidence in the predicted value.

Chemicals	MAE*
Entire set	1.16
Similarity coefficient $\geq 0.5$	1.14

\*Mean absolute error in dyn/cm

CAS	Structure	Similarity Coefficient	Experimental value dyn/cm	Predicted value dyn/cm
1490-04-6 (test chemical)			N/A	29.54
583-59-5		0.64	30.52	29.17
60241-53-4		0.64	30.83	29.68
5454-79-5		0.64	27.51	29.94
93980-72-4		0.57	30.24	29.87
13720-37-1		0.52	30.48	30.07

