



Specification of Crude Coal Tar

Sample no.	T-1# Low-temp ^a	T-2# Med-temp	T-3# High-temp
<i>Element (wt%)^b</i>			
C	85.38	80.01	88.49
H	10.59	7.91	5.20
O	3.30	10.65	4.54
N	0.57	1.20	1.24
S	0.15	0.24	0.53
<i>Moisture (wt%)</i>			
	- ^c	8.1	5.27
¹³ C NMR (%)			
f_{ar}^c	33.84	62.93	97.86

^a The word 'Low-temp' refers to low-temperature coal tar, and similar abbreviations are also used for medium-temperature coal tar and high-temperature coal tar

^b The element analysis is on moisture-free basis

^c The symbol '-' means that the test item is of trace concentration

^d f_{ar}^c means the fraction of aromatic carbon in the samples, and is calculated from ¹³C NMR spectra