

**Open-cast coalmine "Abanskyi"**

**COAL PRODUCTION QUALITATIVE INDICES  
OF SORT 2BV CLASS R (0-300)**

**released by specifications 0325-002-04536157-2004**

Name of the index	indication	size
1. Sort of coal, with indication of lump size class	3BVR	
2. High heat value, dry ash-free condition	$Q_s^{daf}$	6860 kcal/kg
		28,7 MJ/kg
3. Low heat value, working condition ( $W_t^f$ )	$Q_t^d$	3530 kcal/kg
		14,8 MJ/kg
4. Ash, dry condition	Ad	9,9
5. Mass share of overall humidity in working condition, %	$W_t^r$	36,8
6. Devolatilization, dry ash-free condition	$V^{daf}$	47,2
7. Content of sulphur, dry condition, %	$S_t^d$	0,48
8. Content of carbon, dry, ash-free condition, %	C daf	72,5
9. Mass share of chlorine, %	Cl d	0,0013
10. Mass share of arsenic, %	As d	0,00047
11. Size of lumps, mm		0-300

**Chemical analysis (in %) and ash fusibility (in 0C) of coal:**

Indication	Content	Indication	Content	Indication	Content
SiO <sub>2</sub>	20,9	TiO <sub>2</sub>	0,6	K <sub>2</sub> O	0,2
Al <sub>2</sub> O <sub>3</sub>	11,9	CaO	28,9	Na <sub>2</sub> O	0,3
Fe <sub>2</sub> O <sub>3</sub>	12,2	MgO	3	SO <sub>3</sub>	4,2
T <sub>a</sub>	1190	T <sub>b</sub>	1370	T <sub>c</sub>	1400