

Open-cast coalmine "Kozulskiy"

**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}	6720 kcal/kg
		28,1 MJ/kg
3. Low heat value, working condition (W_t^f)	Q_i^d	3230 kcal/kg
		13,5 MJ/kg
4. Ash, dry condition	Ad	15,6
5. Mass share of overall humidity in working condition, %	W_t^f	36,7
6. Devolatilization, dry ash-free condition	V^{daf}	47,6
7. Content of sulphur, dry condition, %	S_t^d	0,56
8. Content of carbon, dry, ash-free condition, %	C daf	71,5
9. Mass share of chlorine, %	Cl d	0,0089
10. Mass share of arsenic, %	As d	0,0003
11. Size of lumps, mm		0-300

Chemical analysis (in %) and ash fusibility (in OC) of coal:

Indication	Content	Indication	Content	Indication	Content
SiO ₂	35,7	TiO ₂	0,6	K ₂ O	0,2
Al ₂ O ₃	10,1	CaO	33,5	Na ₂ O	0,3
Fe ₂ O ₃	13	MgO	1,2	SO ₃	5
T _a	1180	T _b	1320	T _c	1340