

# Ciemny Koźlak

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- Gravity **17.1 BLG**
- ABV **7.3 %**
- IBU ---
- SRM **18.7**
- Style **Doppelbock**

## Batch size

- Expected quantity of finished beer **2000 liter(s)**
- Trub loss **5 %**
- Size with trub loss **2100 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **2530 liter(s)**

## Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **1725 liter(s)**
- Total mash volume **2300 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	400 kg (69.6%)	80 %	5
Grain	Rauch Malt (Germany)	150 kg (26.1%)	81 %	4
Grain	Carafa III	25 kg (4.3%)	70 %	1034