

## Prace drogowe [peated black ale]

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- Gravity **10.2 BLG**
- ABV **4.1 %**
- IBU **17**
- SRM **30.6**
- Style **Black IPA**

### Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.1 liter(s)**
- Total mash volume **13.4 liter(s)**

### Steps

- Temp **65 C**, Time **60 min**

### Mash step by step

- Heat up **10.1 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Sparge using **12.3 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Peat Smoked Malt	3 kg (89.6%)	74 %	6
Grain	Strzegom Barwiący	0.25 kg (7.5%)	68 %	1300
Grain	Carafa III	0.1 kg (3%)	70 %	1034

### Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	Centennial	5 g	90 min	10.5 %
Boil	Centennial	20 g	5 min	10.5 %
Aroma (end of boil)	Centennial	25 g	0 min	10.5 %
Dry Hop	Citra	50 g	2 day(s)	12 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	100 g	Fermentis