

## D4

- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **11**
- SRM **37.7**

### Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.9 liter(s)**
- Total mash volume **29.2 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (41.1%)	80 %	5
Grain	Weyermann - Dark Wheat Malt	3 kg (41.1%)	85 %	14
Grain	Karmelowy żytni Strzegom	0.3 kg (4.1%)	75 %	1100
Grain	Biscuit Malt	0.5 kg (6.8%)	79 %	45
Grain	Strzegom Czekoladowy ciemny	0.5 kg (6.8%)	68 %	1200

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Styrian Golding	50 g	30 min	3.6 %

### Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Dry	11 g	---