

## 19 black ipa

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- Gravity **13.3 BLG**
- ABV ---
- IBU **65**
- SRM **14**
- Style **Black IPA**

### 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 **20.7 liter(s)**
- Total mash volume **27.6 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (58%)	80 %	5
Grain	Jęczmień niesłodowany	2.5 kg (36.2%)	75 %	2
Grain	Weyermann - Carared	0.2 kg (2.9%)	75 %	45
Grain	Jęczmień palony	0.2 kg (2.9%)	55 %	985

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	60 g	60 min	12.7 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	50 ml	Fermentis