

#19 PILS

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **31**
- SRM **3**
- Style **Black IPA**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **0 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **93.5 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Słodownia Strzegom - pilzneński	5 kg (100%)	80 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Saaz (Czech Republic)	25 g	30 min	4.5 %
Boil	Saaz (Czech Republic)	25 g	5 min	4.5 %
Boil	Saaz (Czech Republic)	50 g	60 min	4.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM31 - Bawarska dolina	Lager	Liquid	1000 ml	Fermentum Mobile