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- Gravity **12.9 BLG**
  - ABV **5.2 %**
  - IBU **19**
  - SRM **3.6**
  - Style **American IPA**

### Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **10 %**
- Size with trub loss **23.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **33.1 liter(s)**

### Mash information

- Mash efficiency **82 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.8 liter(s)**
- Total mash volume **22.4 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2 kg (35.7%)	81 %	4
Grain	Viking Pale Ale malt	2 kg (35.7%)	80 %	5
Grain	Płatki orkiszowe	0.8 kg (14.3%)	80 %	4
Grain	Płatki owsiane	0.8 kg (14.3%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	15 g	60 min	11.7 %
Boil	Simcoe	15 g	5 min	11.7 %

### Notes

- hopstand 75c 30min 50g cent 50g chinook  
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