

## Polish IPA (3/20 , Zombie )

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- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **40**
- SRM **4.2**

### Batch size

- Expected quantity of finished beer **38 liter(s)**
- Trub loss **5 %**
- Size with trub loss **41.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **7 %/h**
- Boil size **47.6 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **30 liter(s)**
- Total mash volume **40 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	10 kg (100%)	80 %	5

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	85 g	60 min	8.4 %
Aroma (end of boil)	Marynka	15 g	0 min	8.4 %
Aroma (end of boil)	Amora Preta	100 g	0 min	7.2 %
Aroma (end of boil)	Oktawia	100 g	0 min	7.1 %

### Notes

- Dwa chmiele od Janusza poleca na zimno  
*Feb 5, 2023, 11:01 AM*