

Grodziskie Polish IPA

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **42**
- SRM **5.6**
- Style **English IPA**

Batch size

- Expected quantity of finished beer **32 liter(s)**
- Trub loss **5 %**
- Size with trub loss **33.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **40.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	5 kg (71.4%)	79 %	6
Grain	Bestmalz Red X	1 kg (14.3%)	79 %	30
Grain	Strzegom Golden Ale	1 kg (14.3%)	80 %	10

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	25 g	50 min	11 %
Boil	Perle	25 g	40 min	7 %
Boil	Lomik	25 g	30 min	3.8 %
Boil	Puławski	25 g	15 min	6.9 %
Aroma (end of boil)	lunga	25 g	0 min	11 %
Aroma (end of boil)	Perle	25 g	0 min	7 %
Aroma (end of boil)	Lomik	25 g	0 min	3.8 %
Aroma (end of boil)	Puławski	25 g	0 min	4.3 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM51 Grodzie Dębowe	Wheat	Liquid	500 ml	Fermentum Mobile