

## pirszo apa

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- Gravity **12.4 BLG**
- ABV ---
- IBU **41**
- SRM **4.7**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.3 liter(s)**
- Total mash volume **19.6 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Carahell	0.36 kg (8.3%)	77 %	26
Grain	Strzegom Pale Ale	1 kg (22.9%)	79 %	6
Grain	Strzegom Pilzneński	1 kg (22.9%)	80 %	4
Grain	Weyermann - Pilsner Malt	1 kg (22.9%)	81 %	5
Grain	Weyermann - Vienna Malt	1 kg (22.9%)	81 %	8

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	15 g	50 min	12 %
Boil	Chinook	20 g	10 min	12 %
Boil	Mosaic	15 g	20 min	10 %
Boil	Mosaic	20 g	3 min	10 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis

### Notes

- biab  
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