

Rye IPA

- Gravity **15.6 BLG**
- ABV ---
- IBU **104**
- SRM **10.2**
- Style **Rye IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **13 %/h**
- Boil size **29.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **22.1 liter(s)**
- Total mash volume **28.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	3 kg (47.6%)	79 %	6
Grain	Strzegom Monachijski typ I	0.6 kg (9.5%)	79 %	16
Grain	Żytni	1.2 kg (19%)	85 %	8
Grain	Rye, Flaked	0.4 kg (6.3%)	78.3 %	4
Grain	Strzegom Karmel 300	0.1 kg (1.6%)	70 %	299
Grain	Weyermann - Acidulated Malt	1 kg (15.9%)	80 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	50 g	60 min	15.5 %
Boil	Citra	10 g	60 min	12 %
Boil	Amarillo	10 g	60 min	9.5 %
Aroma (end of boil)	Citra	10 g	10 min	12 %
Aroma (end of boil)	Amarillo	10 g	10 min	9.5 %
Dry Hop	Citra	30 g	7 day(s)	12 %
Dry Hop	Amarillo	30 g	7 day(s)	9.5 %