

Apa

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **58**
- SRM **4.2**
- 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 **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	BESTMALZ - Best Pilsen	1 kg (20%)	80.5 %	4
Grain	BESTMALZ - Bestt Pale Ale	3 kg (60%)	80.5 %	6
Grain	Słód pszeniczny Bestmalz	0.5 kg (10%)	82 %	5
Grain	Płatki owsiane	0.5 kg (10%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	20 g	30 min	7 %
Boil	East Kent Goldings	20 g	30 min	4.7 %
Boil	Crystal	20 g	15 min	4.5 %
Boil	Cascade	30 g	15 min	7 %
Boil	Crystal	20 g	10 min	4.5 %
Boil	Cascade	20 g	10 min	7 %
Aroma (end of boil)	Cascade	20 g	15 min	7 %
Aroma (end of boil)	Crystal	20 g	15 min	4.5 %