

Śląskie Dymy

- Gravity **16.8 BLG**
- ABV ---
- IBU **50**
- SRM **40**
- Style **Other Smoked Beer**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **10 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.9 liter(s)**
- Total mash volume **25.2 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **18.9 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **15.2 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	3 kg (47.6%)	81 %	4
Grain	Wędzony Bukiem	2 kg (31.7%)	--- %	---
Grain	Strzegom Karmel 600	0.5 kg (7.9%)	68 %	601
Grain	Strzegom Czekoladowy ciemny	0.5 kg (7.9%)	68 %	1200
Grain	pszenica prażona	0.2 kg (3.2%)	--- %	---
Grain	Strzegom Barwiący	0.1 kg (1.6%)	68 %	1300

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	50 g	30 min	10 %
Boil	Marynka	50 g	10 min	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Safale