

RIS Jack Daniel's BA

- Gravity **26.4 BLG**
- ABV **12.5 %**
- IBU **99**
- SRM **78**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **21.7 liter(s)**

Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **23.1 liter(s)**
- Total mash volume **30.8 liter(s)**

Steps

- Temp **62 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **2 min**

Mash step by step

- Heat up **23.1 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **45 min** at **62C**
- Keep mash **15 min** at **72C**
- Keep mash **2 min** at **78C**
- Sparge using **6.3 liter(s)** of **76C** water or to achieve **21.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|---------------------------------|----------------|-------|------|
| Grain | Viking Pale Ale malt | 3 kg (31.9%) | 80 % | 5 |
| Grain | Strzegom Monachijski typ II | 3 kg (31.9%) | 79 % | 22 |
| Grain | Carafa III | 0.4 kg (4.3%) | 70 % | 1034 |
| Grain | Weyermann Caramunich 3 | 0.5 kg (5.3%) | 76 % | 150 |
| Liquid Extract | ekstrakt słodowy ciemny Bruntal | 1.7 kg (18.1%) | 90 % | 700 |
| Grain | Strzegom Czekoladowy ciemny | 0.2 kg (2.1%) | 68 % | 1200 |
| Grain | Płatki pszeniczne | 0.3 kg (3.2%) | 85 % | 3 |
| Grain | Płatki jęczmienne | 0.3 kg (3.2%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Warrior | 60 g | 60 min | 15.5 % |
| Boil | Magnum | 30 g | 60 min | 13.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 23 g | --- |
| 2 saszetki po 11,5g | | | | |

Extras

| Type | Name | Amount | Use for | Time |
|---|--|--------|-----------|-----------|
| Other | Płatki z dębu amerykańskiego Bourbon | 100 g | Secondary | 90 day(s) |
| bez macerowania w alkoholu | | | | |
| Other | Płatki z dębu amerykańskiego w Jack Daniel's | 40 g | Secondary | 90 day(s) |
| Płatki bourbon macerowane w Jack Daniel's Single Barrel | | | | |