

[Pages](#) / ... / [Country Tax Category check](#)

# Brazil

Created by Former Member on Sep 15, 2016

BR1 CNPJ Number (short for *Cadastro Nacional da Pessoa Jurídica* in Portuguese, or National Registry of Legal Entities).

CNPJ format:	[ C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 ]	Where C1 to C14 are digits.																																																																																																																								
Range:	C1...C14	Numeric.																																																																																																																								
Rules:	C1...C8	Are digits to identify the company.																																																																																																																								
	C9...C12	Are the numbers to identify the branch or subsidiary ("0001" defaults to the headquarters).																																																																																																																								
	C13 C14	Are the check numbers. Calculated by algorithm (modulus 11). <ul style="list-style-type: none"><li>From right to left all digits are multiplied by a decreasing sequence starting with 9.</li><li>The sum of all products is computed.</li><li>The total sum is taken modulo 11. The remainder is C13.</li><li>Repeat the first step taking the C13 also.</li><li>The sum of all products is computed.</li><li>The total sum is taken modulo 11. The remainder is C14.</li></ul>																																																																																																																								
Sample:	44455566000183	<div>Calculate check digits:</div> <table><tr><td>Position:</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>CNPJ:</td><td>4</td><td>4</td><td>4</td><td>5</td><td>5</td><td>5</td><td>6</td><td>6</td><td>0</td><td>0</td><td>0</td><td>1</td><td>8</td><td>3</td></tr><tr><td>Multiply by:</td><td>6</td><td>7</td><td>8</td><td>9</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td></td><td></td></tr><tr><td>Sum up results:</td><td>24+</td><td>28+</td><td>32+</td><td>45+</td><td>10+</td><td>15+</td><td>24+</td><td>30+</td><td>0+</td><td>0+</td><td>0+</td><td>9</td><td colspan="2">=217</td></tr></table> <div>The final result is divided by 11 ==&gt; 217 / 11 = 19 remainder 8. C13=8.</div> <div>Now calculate the second check digit:</div> <table><tr><td>Position:</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>CNPJ</td><td>4</td><td>4</td><td>4</td><td>5</td><td>5</td><td>5</td><td>6</td><td>6</td><td>0</td><td>0</td><td>0</td><td>1</td><td>8</td><td>3</td></tr><tr><td>Multiply by:</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td></td></tr><tr><td>Sum up results:</td><td>20+</td><td>24+</td><td>28+</td><td>40+</td><td>45+</td><td>10+</td><td>18+</td><td>24+</td><td>0+</td><td>0+</td><td>0+</td><td>8+</td><td>72</td><td>=289</td></tr></table> <div>The final result is divided by 11 ==&gt; 289 / 11 = 26 remainder 3. C14=3.</div>	Position:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	CNPJ:	4	4	4	5	5	5	6	6	0	0	0	1	8	3	Multiply by:	6	7	8	9	2	3	4	5	6	7	8	9			Sum up results:	24+	28+	32+	45+	10+	15+	24+	30+	0+	0+	0+	9	=217		Position:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	CNPJ	4	4	4	5	5	5	6	6	0	0	0	1	8	3	Multiply by:	5	6	7	8	9	2	3	4	5	6	7	8	9		Sum up results:	20+	24+	28+	40+	45+	10+	18+	24+	0+	0+	0+	8+	72	=289
Position:	1	2	3	4	5	6	7	8	9	10	11	12	13	14																																																																																																												
CNPJ:	4	4	4	5	5	5	6	6	0	0	0	1	8	3																																																																																																												
Multiply by:	6	7	8	9	2	3	4	5	6	7	8	9																																																																																																														
Sum up results:	24+	28+	32+	45+	10+	15+	24+	30+	0+	0+	0+	9	=217																																																																																																													
Position:	1	2	3	4	5	6	7	8	9	10	11	12	13	14																																																																																																												
CNPJ	4	4	4	5	5	5	6	6	0	0	0	1	8	3																																																																																																												
Multiply by:	5	6	7	8	9	2	3	4	5	6	7	8	9																																																																																																													
Sum up results:	20+	24+	28+	40+	45+	10+	18+	24+	0+	0+	0+	8+	72	=289																																																																																																												
CNPJ details:	<a href="http://idg.receita.fazenda.gov.br/orientacao/tributaria/cadastros/cadastro-nacional-de-pessoas-juridicas-cnpj">http://idg.receita.fazenda.gov.br/orientacao/tributaria/cadastros/cadastro-nacional-de-pessoas-juridicas-cnpj</a>																																																																																																																									

BR2 CPF Number is called *Cadastro de Pessoas Físicas* or Natural Persons Register.

<b>CPF format:</b>	[ C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 ]	<b>Where C1 to C11 are digits.</b>
<b>Range:</b>	C1...C11	Numeric.
<b>Rules:</b>	C1...C9	Random numbers.
	C10 C11	<p>Check numbers. To calculated these digits the method is:</p> <ul style="list-style-type: none"> <li>From right to left all digits are multiplied by a decreasing sequence starting with 9.</li> <li>The sum of all products is computed.</li> <li>The sum of step 2 is taken modulo 11.</li> <li>The result of step 3 is taken modulo 10.</li> <li>The checkdigit found is appended to the number and steps 1 to 4 are repeated.</li> </ul>
<b>Sample:</b>	52998224725	<ul style="list-style-type: none"> <li>First multiply the first 9 digits in descending sequence of numbers from 10 to 2 and sum the results. Like this: <math display="block">10 + 2 * 5 * 8 * 9 + 9 + 9 * 7 * 8 + 6 + 5 + 2 * 4 + 2 * 3 * 4 * 2 + 7</math> </li> <li>The result of our example is: 295</li> <li>The next step of verification is also simple, just multiply that result by 10 and divide by 11: 295 *</li> </ul>

<b>CPF format:</b>	[ C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 ]	Where C1 to C11 are digits.
		<p>10/11.</p> <ul style="list-style-type: none"> <li>The result that interests us is actually the remainder of the division. It is equal to the first check digit C10.</li> <li>The remainder is 2. So C10= 2.</li> <li>Important Note: If the rest of the division is equal to 10, we consider it to 0.</li> <li>The validation of the second digit is similar to the first, but let's consider the first 9 digits, plus the first check digit, and we multiply these 10 numbers in descending sequence of 11 to 2.</li> </ul> <p>Consider:</p> $11 + 2 * 5 * 10 * 9 + 9 + 8 + 9 * 7 * 8 * 2 + 6 + 2 + 4 * 5 * 4 + 3 + 7 * 2 * 2$ <ul style="list-style-type: none"> <li>The result is: 347.</li> <li>Following the same the first verification process, multiplied by 10 and divided by 11: <math>347 * 10/11</math>.</li> <li>The result of the division is '315' and the remainder is 5.</li> <li>So C11 = 5.</li> </ul>
<b>CPF details:</b>	<a href="https://www.receita.fazenda.gov.br/Aplicacoes/SSL/ATCTA/CPF/ConsultaPublica.asp">https://www.receita.fazenda.gov.br/Aplicacoes/SSL/ATCTA/CPF/ConsultaPublica.asp</a>	

BR3 State Tax Number is called Inscrição Estadual (IE). IE of farmers follow a different model: they start with a letter "P" and have 13 digits, where the 10th digits is a check digit.

<b>IE format:</b>	[ C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 ]	Where C1 to C12 are digits.
<b>Range:</b>	C1...C12	Numeric.
<b>Rules:</b>	C1 C2 C3 C4 C5 C6 C7 C8 C10 C11	Random number.
	C9 C12	Check numbers. To validate apply this note: <a href="#">1579059 - Inscrição Estadual (I.E.) Validation (Company ID Number in Brazil)</a>
<b>Sample:</b>	117070587113	
<b>IE details:</b>	<a href="http://www.sef.sc.gov.br/servicos-orientacoes/diat/cadastro-comprovante-de-inscri%C3%A7%C3%A3o-estadual-pf-e-pj">http://www.sef.sc.gov.br/servicos-orientacoes/diat/cadastro-comprovante-de-inscri%C3%A7%C3%A3o-estadual-pf-e-pj</a>	

No labels